

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121418\
 Data File : VU028674.D
 Acq On : 13 Dec 2018 13:12
 Operator : MD/SY
 Sample : VU1214WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 9:32:23 AM

Quant Time: Dec 14 06:00:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	13936	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	4734	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	4607	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	9921	1.979	ug/l	99
3) Chloromethane	1.33	50	16808	1.970	ug/l	99
4) Vinyl Chloride	1.40	62	12002	2.055	ug/l	97
5) Bromomethane	1.61	94	4873	2.118	ug/l	91
6) Chloroethane	1.68	64	6521	1.913	ug/l	98
7) Trichlorofluoromethane	1.88	101	13577	2.129	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	7390	2.015	ug/l	98
9) 1,1-Dichloroethene	2.28	96	7028	2.071	ug/l	95
10) Iodomethane	2.41	142	7521	3.278	ug/l	98
11) Allyl Chloride	2.59	41	16580	1.936	ug/l	99
12) Acrylonitrile	2.94	53	4366	4.040	ug/l	95
13) Acetone	2.32	43	9488	9.473	ug/l	91
14) Carbon Disulfide	2.47	76	25218	1.957	ug/l	99
15) Methylene Chloride	2.70	84	9023	2.181	ug/l	91
16) trans-1,2-Dichloroethene	2.97	96	7845	2.066	ug/l	96
17) 1,1-Dichloroethane	3.44	63	16908	1.997	ug/l	98
18) 2-Butanone	4.28	43	16588	11.084	ug/l	99
19) Cyclohexane	4.98	56	14128	1.922	ug/l	99
20) Methylcyclohexane	6.40	83	13230	1.839	ug/l	97
21) 2,2-Dichloropropane	4.22	77	13757	2.025	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	8816	1.984	ug/l	98
23) Diethyl Ether	2.10	59	6982	2.053	ug/l	94
24) tert-Butyl Alcohol	2.84	59	6856	20.082	ug/l #	94
25) Methyl tert-Butyl Ether	3.00	73	20423	2.026	ug/l	94
26) Bromochloromethane	4.54	128	3360	1.984	ug/l	92
27) Chloroform	4.67	83	15801	1.936	ug/l	96
28) 1,1,1-Trichloroethane	4.91	97	12767	2.003	ug/l	98
29) 1,1-Dichloropropene	5.13	75	11636	1.903	ug/l	99
30) Carbon Tetrachloride	5.13	117	9547	1.854	ug/l	93
31) Isopropyl Ether	3.58	45	30711	2.026	ug/l	96
32) Ethyl-t-butyl ether	4.08	59	23964	1.919	ug/l	95
33) Tert-Amyl methyl ether	5.59	73	19830	1.915	ug/l	100
34) Propionitrile	4.34	54	3915	10.413	ug/l #	97
35) Benzene	5.38	78	34745	1.930	ug/l	99
36) 1,2-Dichloroethane	5.40	62	10658	1.979	ug/l	97
37) Trichloroethene	6.18	130	7221	1.841	ug/l	93
38) 1,2-Dichloropropane	6.43	63	9982	1.944	ug/l	90
39) Methacrylonitrile	4.55	41	4132	2.052	ug/l	99
40) Methyl acrylate	4.43	55	5717	2.063	ug/l #	94
41) Tetrahydrofuran	4.66	42	4498	4.444	ug/l	93
42) 1-Chlorobutane	5.06	56	17920	1.843	ug/l	97

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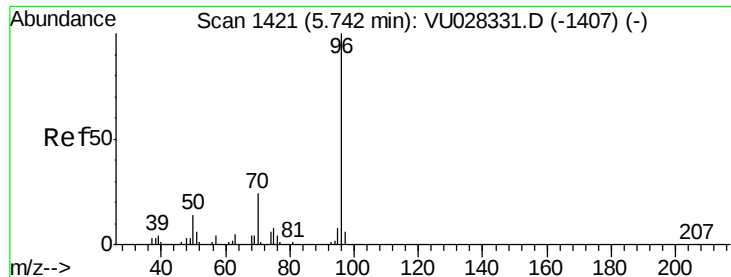
Manual Integrations
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 12/14/2018 9:32:23 AM

Quant Time: Dec 14 06:00:45 2018
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	4355	1.993	ug/l	98
44) Bromodichloromethane	6.76	83	10865	1.883	ug/l	96
45) 4-Methyl-2-Pentanone	7.47	43	31984	9.110	ug/l	97
46) t-1,4-Dichloro-2-butene	10.52	75	3198m	2.491	ug/l	
47) Methyl methacrylate	6.63	69	8495	3.808	ug/l	96
48) Ethyl methacrylate	8.02	69	7365	1.650	ug/l	97
49) Toluene	7.63	92	18492	1.849	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	10252	1.849	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	12282	1.794	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	6038	1.968	ug/l	94
53) 1,3-Dichloropropane	8.24	76	10846	1.892	ug/l	99
54) 2-Hexanone	8.37	43	23038	9.122	ug/l	93
55) Dibromochloromethane	8.48	129	6374	1.953	ug/l	98
56) 1,2-Dibromoethane	8.59	107	5359	1.917	ug/l	93
58) Tetrachloroethene	8.22	164	7080	1.972	ug/l	95
59) Chlorobenzene	9.12	112	19106	1.836	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	6946	1.970	ug/l	98
61) Pentachloroethane	11.10	117	5497	2.003	ug/l	99
62) Hexachloroethane	12.14	117	5404	2.102	ug/l	98
63) Ethyl Benzene	9.25	91	32877	1.712	ug/l	98
64) m/p-Xylenes	9.37	106	25103	3.613	ug/l	99
65) o-Xylene	9.78	106	12013	1.792	ug/l	98
66) Styrene	9.79	104	20543	1.786	ug/l	99
67) Bromoform	9.96	173	3493	1.909	ug/l #	97
69) Isopropylbenzene	10.16	105	31426	1.750	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	8245	2.003	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	4967m	1.731	ug/l	
72) Bromobenzene	10.45	156	7834	1.966	ug/l	93
73) n-propylbenzene	10.58	120	8384	1.801	ug/l	100
74) 2-Chlorotoluene	10.66	126	8325	2.041	ug/l	88
75) 1,3,5-Trimethylbenzene	10.77	105	27411	1.814	ug/l	96
76) 4-Chlorotoluene	10.77	126	8046	1.945	ug/l	94
77) tert-Butylbenzene	11.10	119	26089	1.834	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	28596	1.847	ug/l	98
79) sec-Butylbenzene	11.32	105	36023	1.817	ug/l	100
80) Nitrobenzene	12.86	77	1621	8.742	ug/l #	91
81) p-Isopropyltoluene	11.47	119	27751	1.761	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	16034	2.009	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	15976	2.011	ug/l	98
84) n-Butylbenzene	11.89	91	28593	1.728	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	15127	1.991	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1340	2.024	ug/l	95
87) 1,2,4-Trichlorobenzene	13.50	180	8696	1.628	ug/l	96
88) Hexachlorobutadiene	13.69	225	5727	1.982	ug/l	98
89) Naphthalene	13.74	128	16120	1.527	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	8788	1.745	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

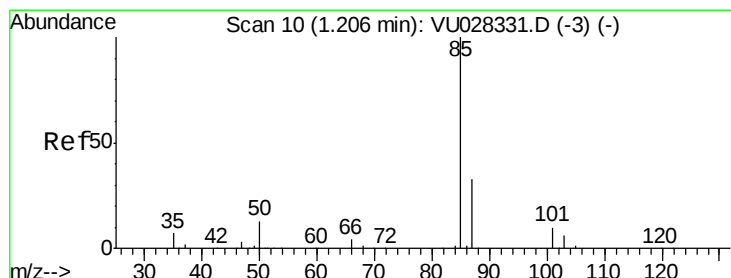
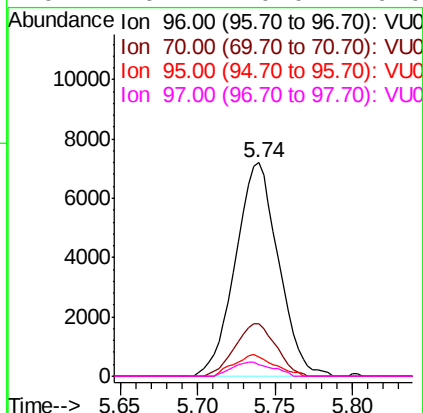
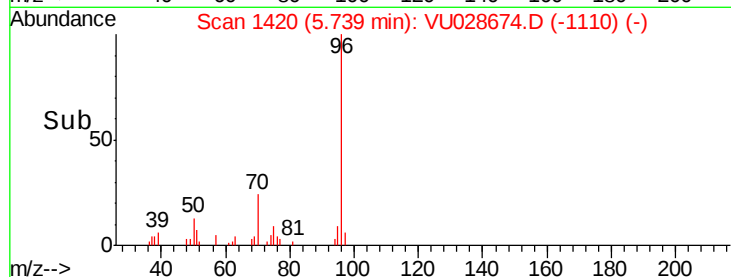
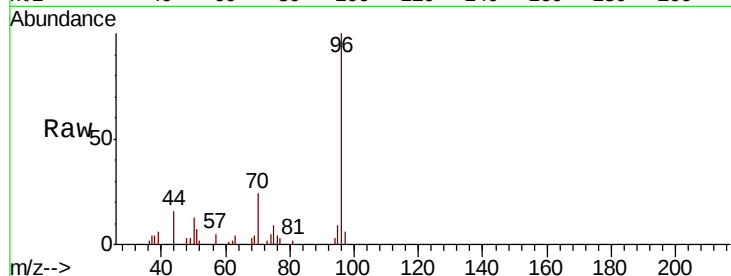
ClientSampleId :

VU1214WBSD01

Tot Ion:	96	Resp:	13936
Ion	Ratio	Lower	Upper
96	100		
70	23.5	17.8	26.8
95	9.2	7.6	11.4
97	6.2	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.979 ug/l

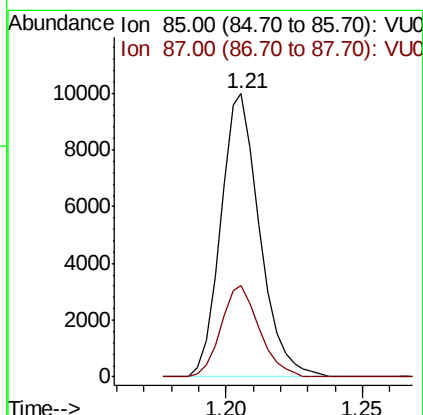
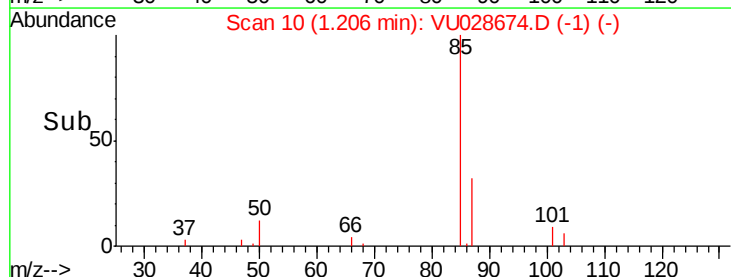
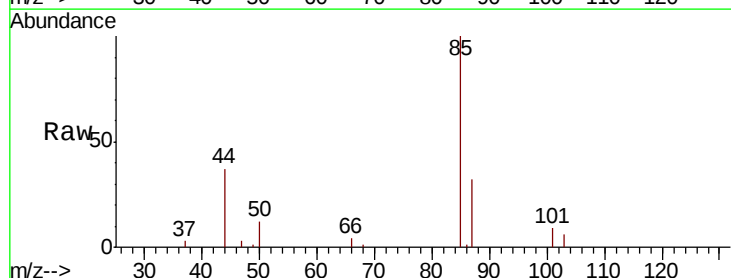
RT: 1.21 min Scan# 10

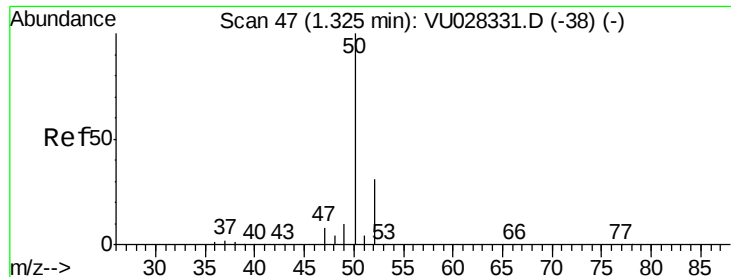
Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Tgt Ion:	85	Resp:	9921
Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.3	48.8





#3

Chloromethane

Concen: 1.970 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

Tot Ion: 50 Resp: 16808

Ion Ratio Lower Upper

50 100

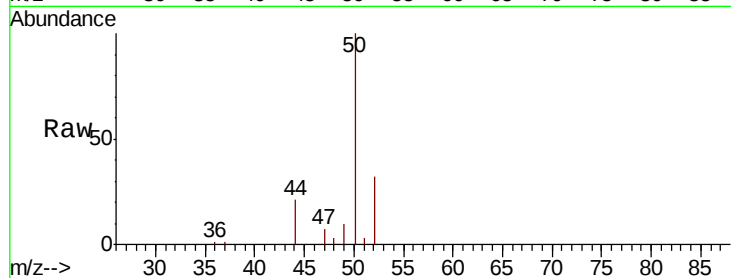
52 32.0 25.1 37.7

Manual Integrations

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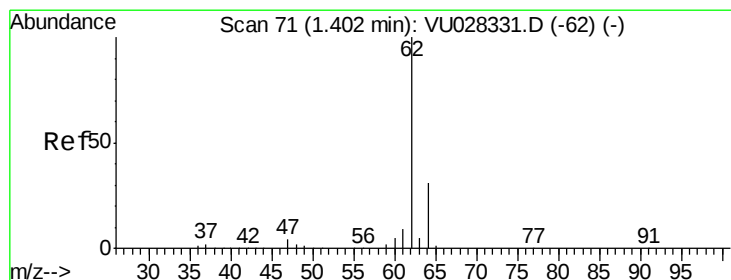
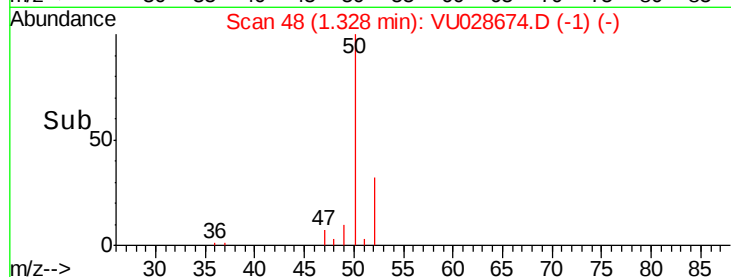
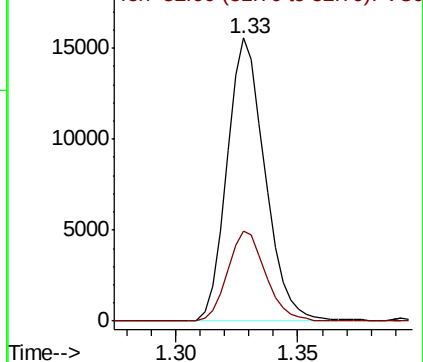
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 2.055 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028674.D

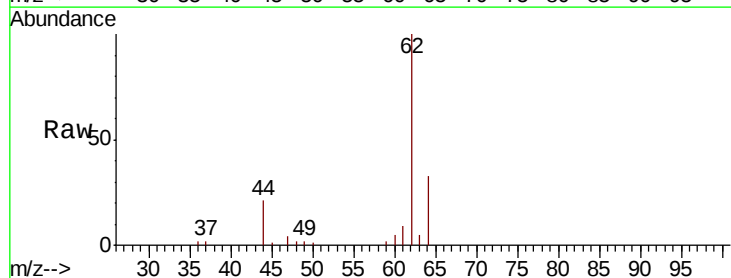
Acq: 13 Dec 2018 13:12

Tgt Ion: 62 Resp: 12002

Ion Ratio Lower Upper

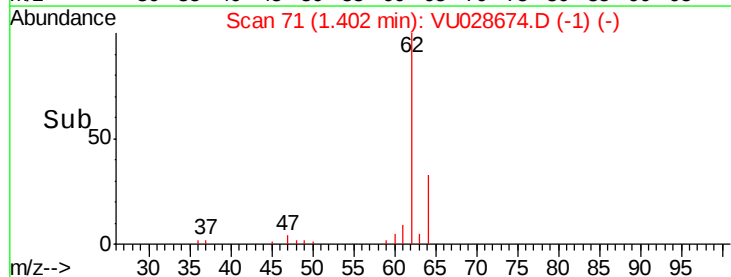
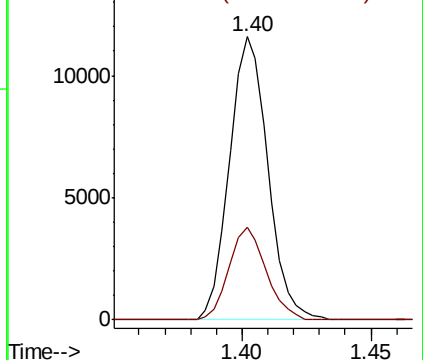
62 100

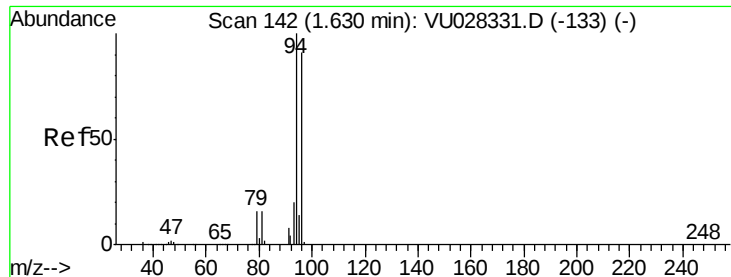
64 32.7 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 2.118 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.02 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

Tot Ion: 94 Resp: 4873

Ion Ratio Lower Upper

94 100

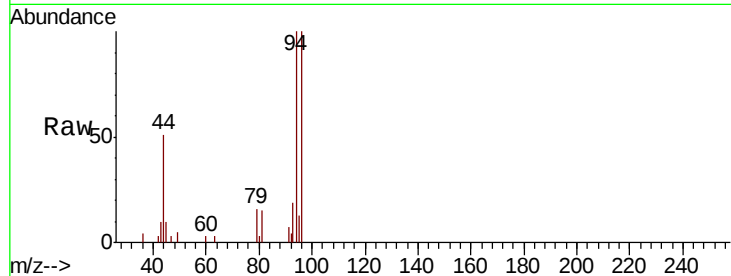
96 100.2 73.1 109.7

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.61

4000

3000

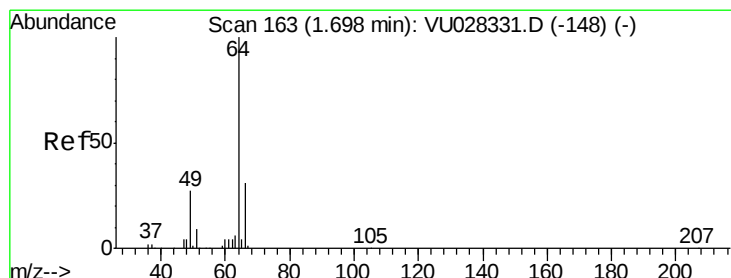
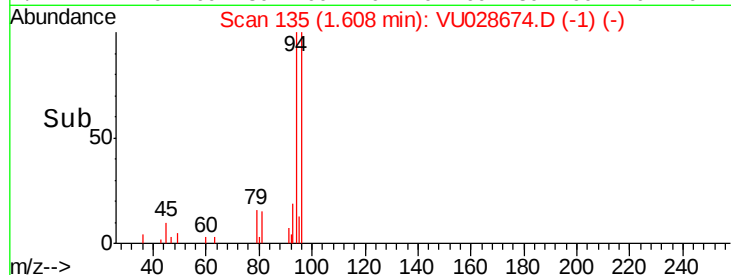
2000

1000

0

Time-->

1.56 1.58 1.60 1.62 1.64



#6

Chloroethane

Concen: 1.913 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028674.D

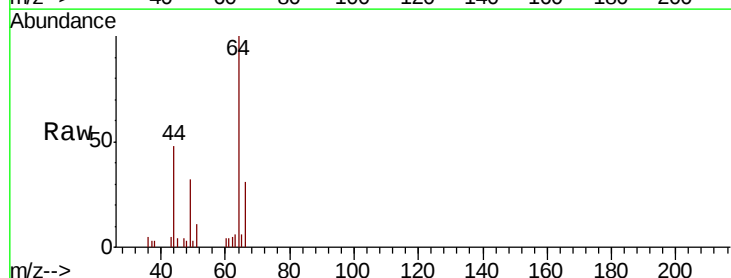
Acq: 13 Dec 2018 13:12

Tgt Ion: 64 Resp: 6521

Ion Ratio Lower Upper

64 100

66 30.6 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.68

6000

5000

4000

3000

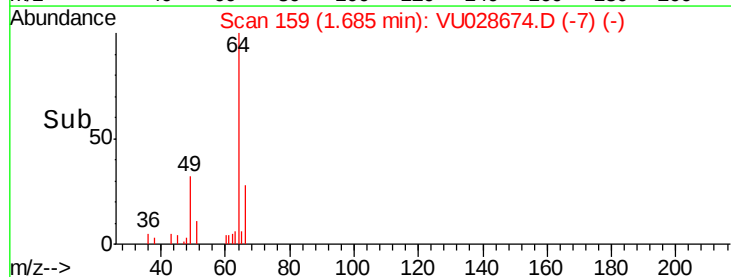
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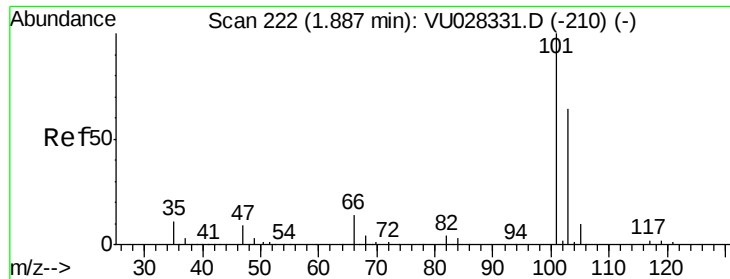
1000

0

Time-->

1.65 1.70





#7

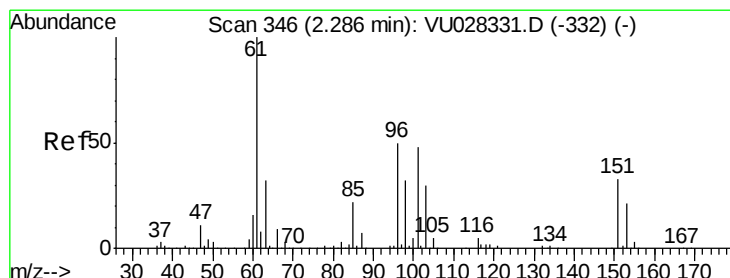
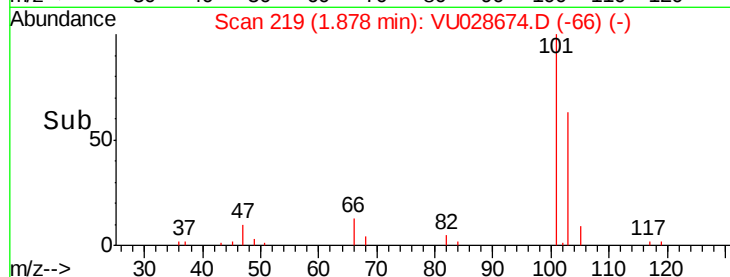
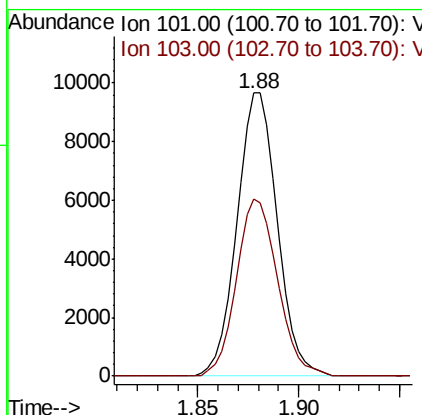
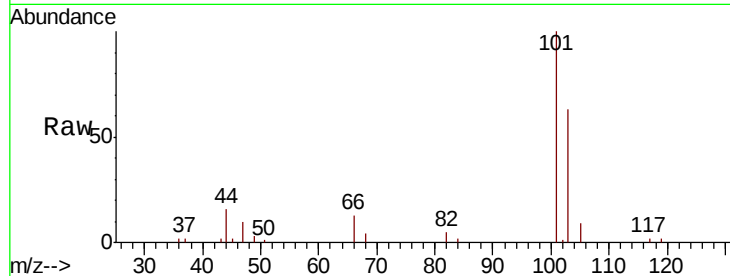
Trichlorofluoromethane
Concen: 2.129 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

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VU1214WBSD01

Tot Ion:101 Resp: 13577
Ion Ratio Lower Upper
101 100
103 62.8 51.4 77.0

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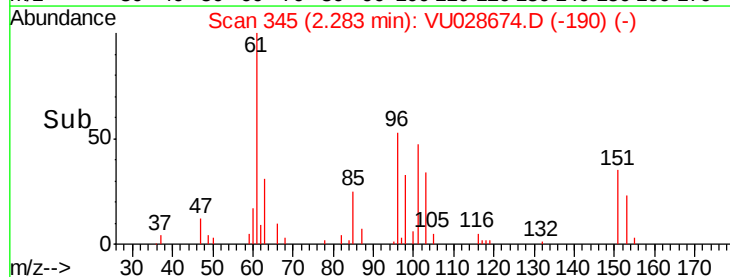
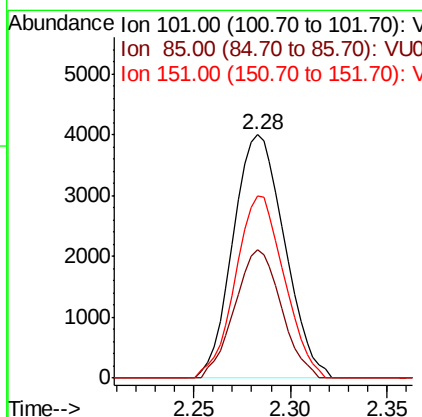
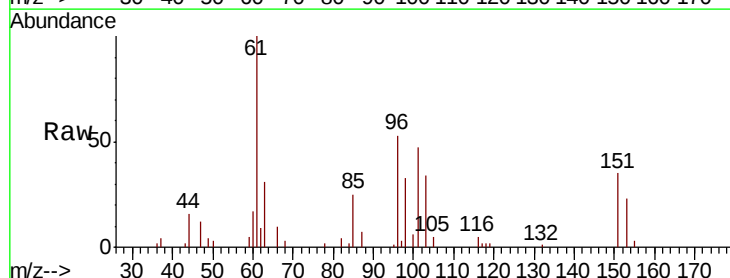
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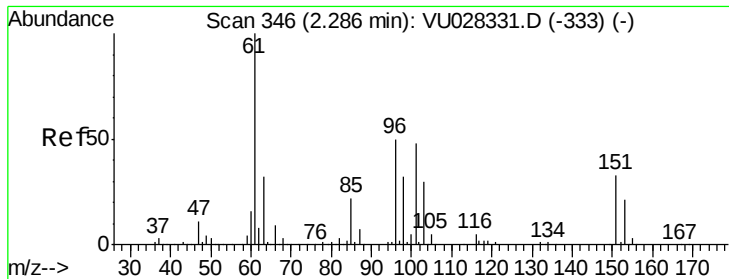


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.015 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion:101 Resp: 7390
Ion Ratio Lower Upper
101 100
85 48.0 36.7 55.1
151 70.8 55.8 83.6





#9

1,1-Dichloroethene

Concen: 2.071 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

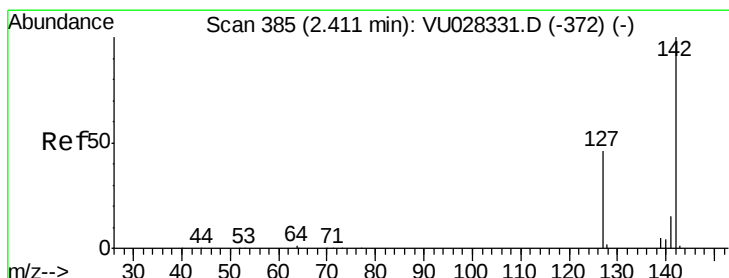
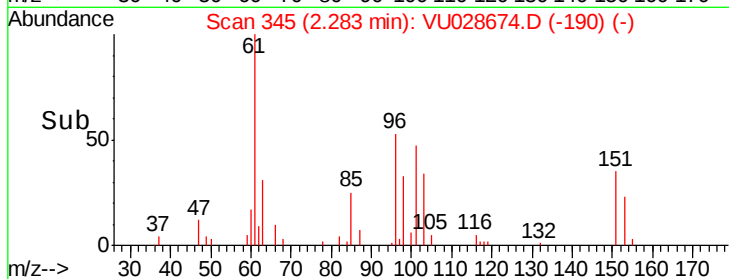
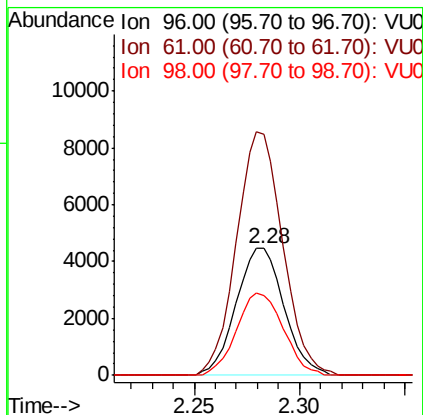
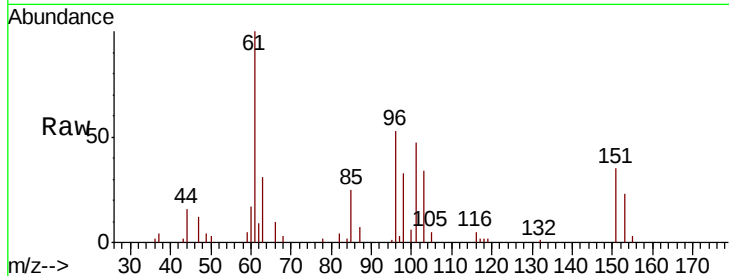
ClientSampleId :

VU1214WBSD01

Tot Ion:	96	Resp:	7028
Ion Ratio	Lower	Upper	
96	100		
61	190.2	0.0	597.6
98	63.3	0.0	127.6

Manual Integrations
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12/14/2018 9:32:23 AM



#10

Iodomethane

Concen: 3.278 ug/l

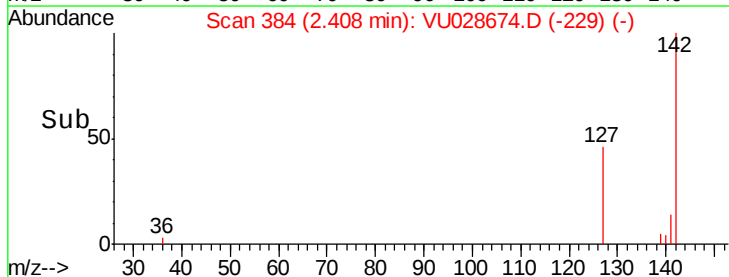
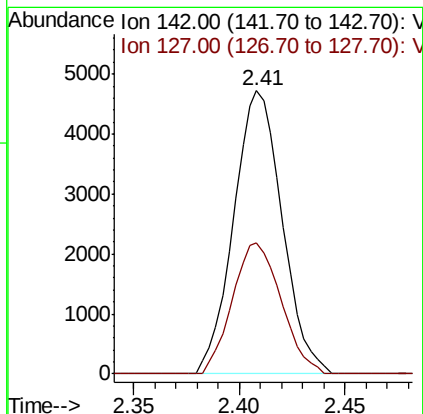
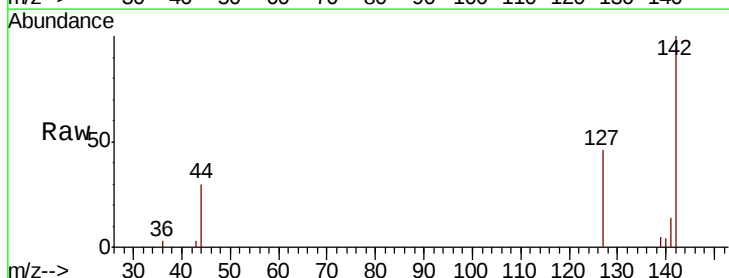
RT: 2.41 min Scan# 384

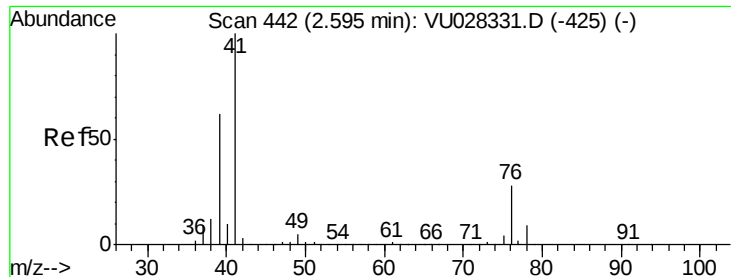
Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Tgt Ion:	142	Resp:	7521
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.4	54.6





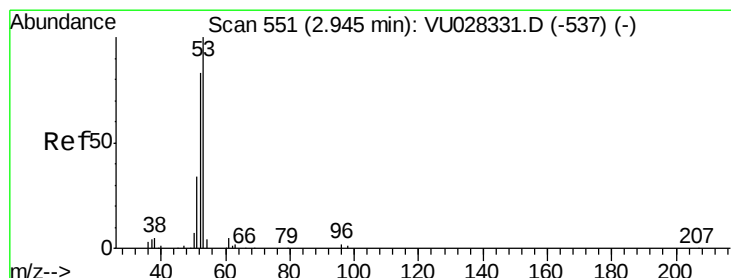
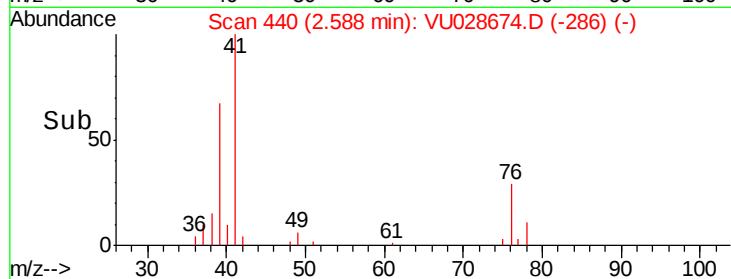
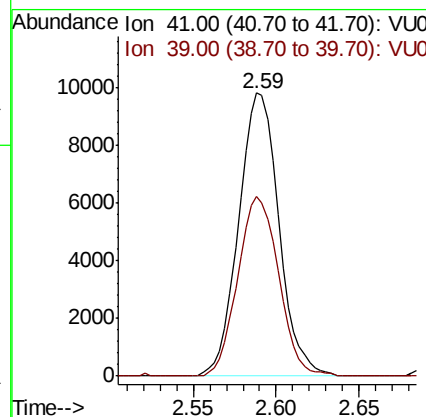
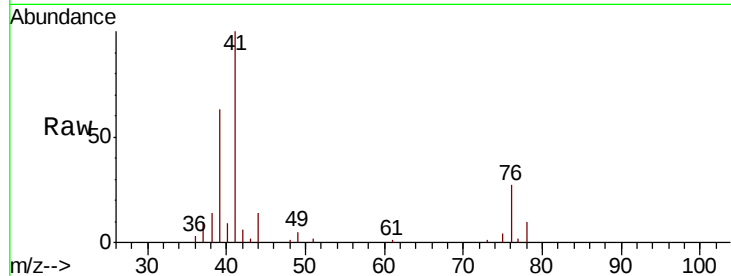
#11
Allvl Chloride
Concen: 1.936 ug/l
RT: 2.59 min Scan# 440
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion: 41 Resp: 16580
Ion Ratio Lower Upper
41 100
39 64.5 50.8 76.2

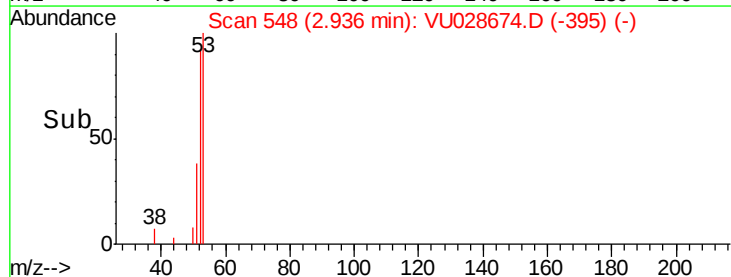
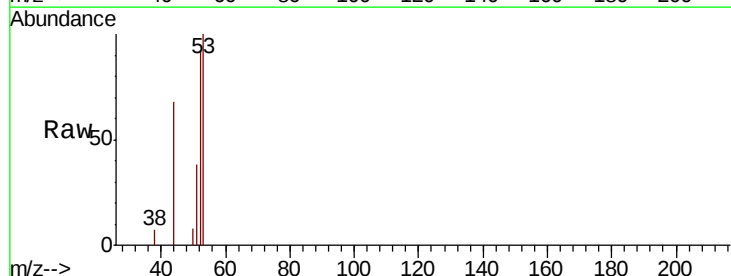
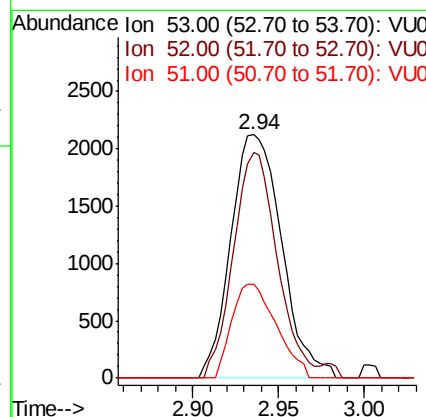
Manual Integrations
APPROVED

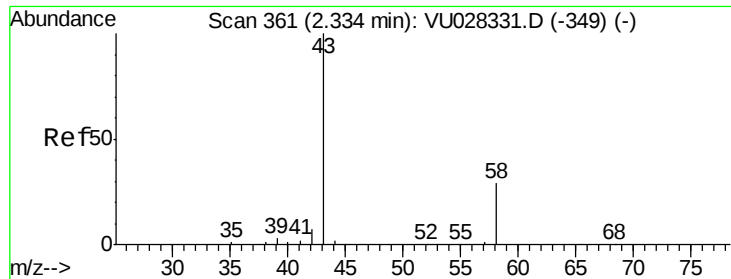
MMDadoda
12/14/2018 9:32:23 AM



#12
Acrylonitrile
Concen: 4.040 ug/l
RT: 2.94 min Scan# 548
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion: 53 Resp: 4366
Ion Ratio Lower Upper
53 100
52 80.3 69.3 103.9
51 33.6 27.8 41.8





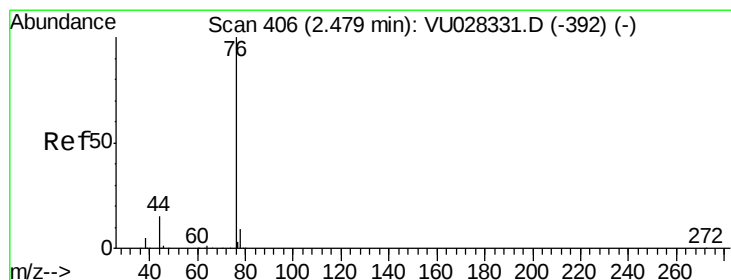
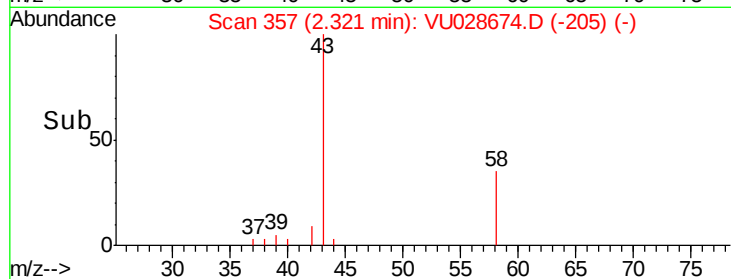
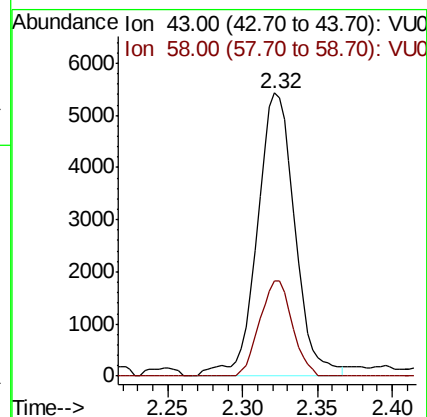
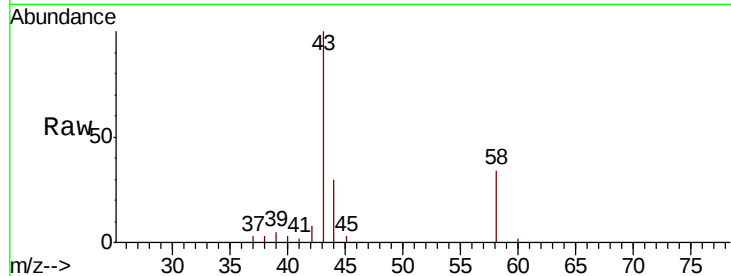
#13
Acetone
Concen: 9.473 ug/l
RT: 2.32 min Scan# 357
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion: 43 Resp: 9488
Ion Ratio Lower Upper
43 100
58 33.6 23.1 34.7

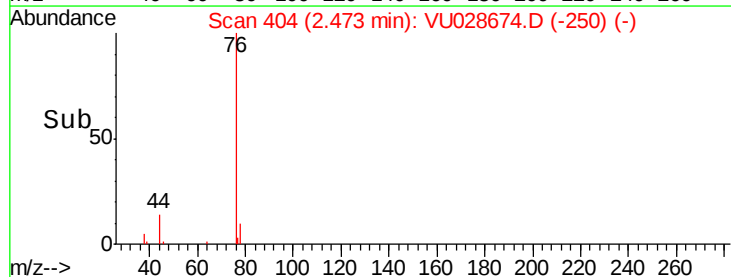
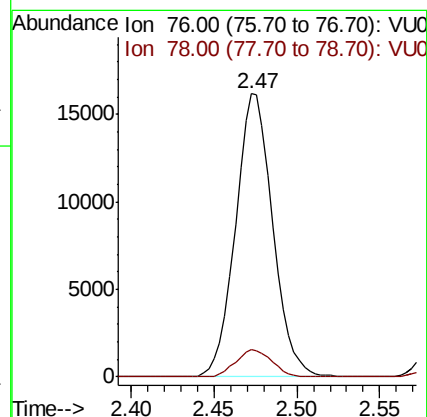
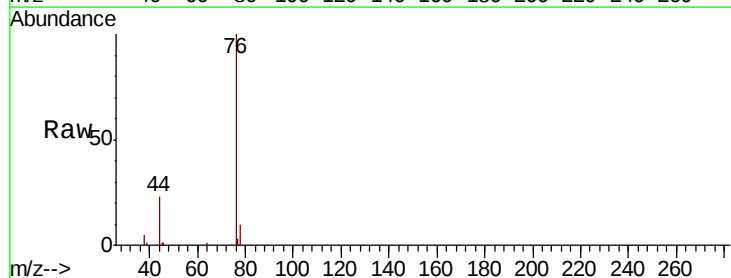
Manual Integrations
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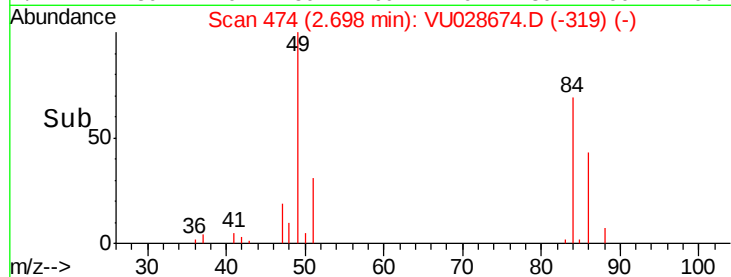
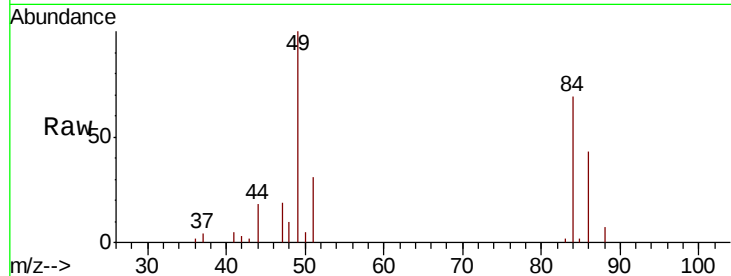
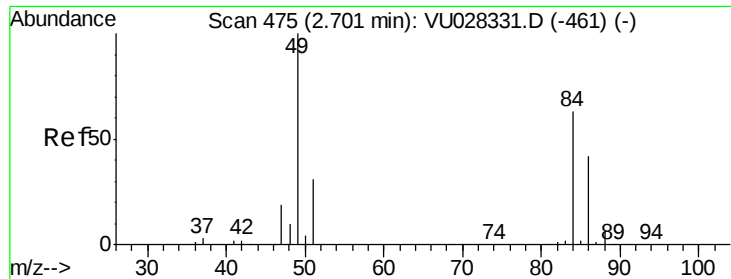
MMDadoda
12/14/2018 9:32:23 AM



#14
Carbon Disulfide
Concen: 1.957 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

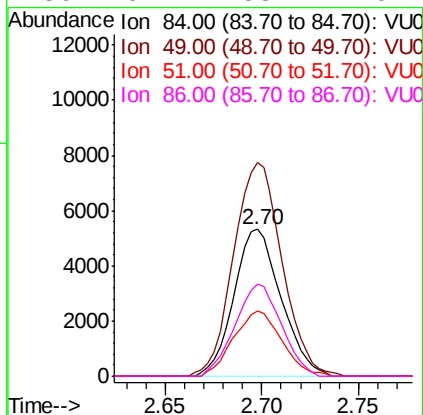
Tgt Ion: 76 Resp: 25218
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.2





#15
Methvlene Chloride
Concen: 2.181 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

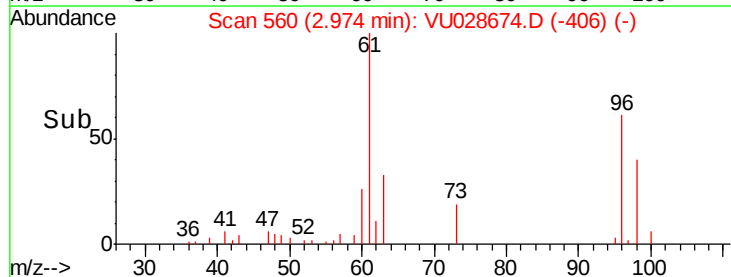
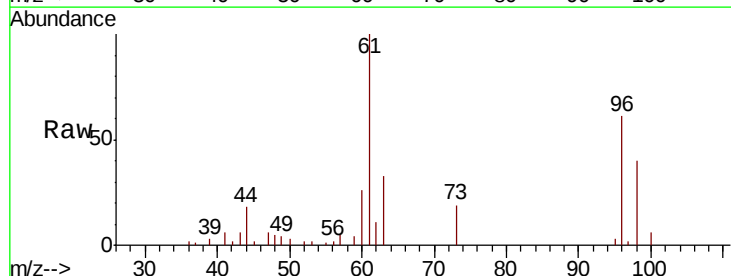
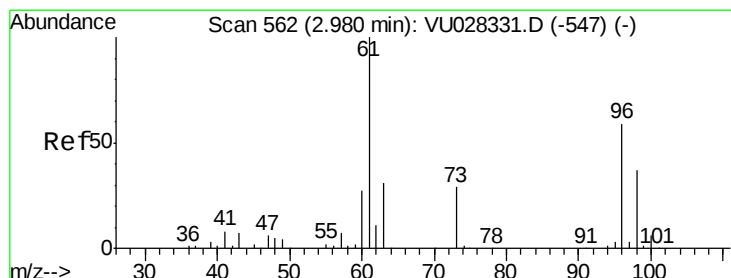
Tot Ion:	84	Resp:	9023
Ion	Ratio	Lower	Upper
84	100		
49	145.4	127.7	191.5
51	44.7	0.0	98.2
86	62.7	53.1	79.7



Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

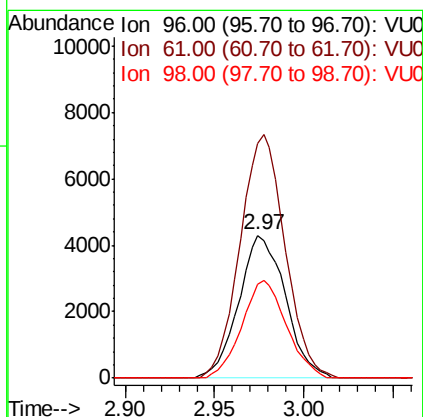
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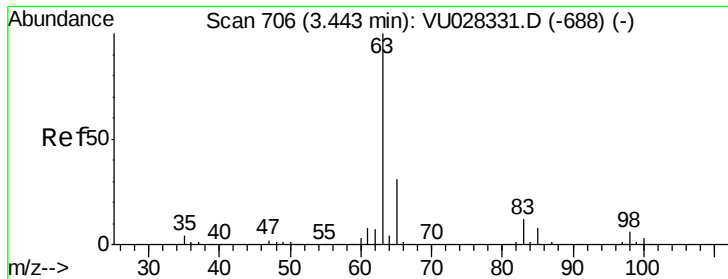
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#16
trans-1,2-Dichloroethene
Concen: 2.066 ug/l
RT: 2.97 min Scan# 560
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion:	96	Resp:	7845
Ion	Ratio	Lower	Upper
96	100		
61	164.2	136.4	204.6
98	65.3	49.8	74.8





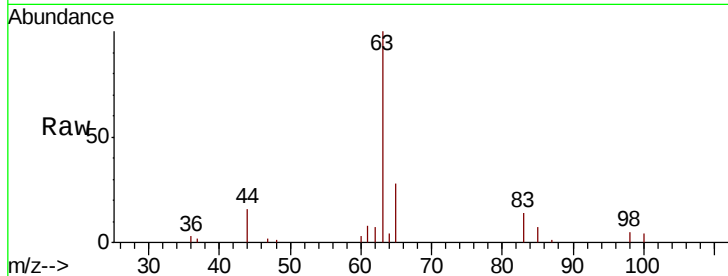
#17
 1,1-Dichloroethane
 Concen: 1.997 ug/l
 RT: 3.44 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleID :
 VU1214WBSD01

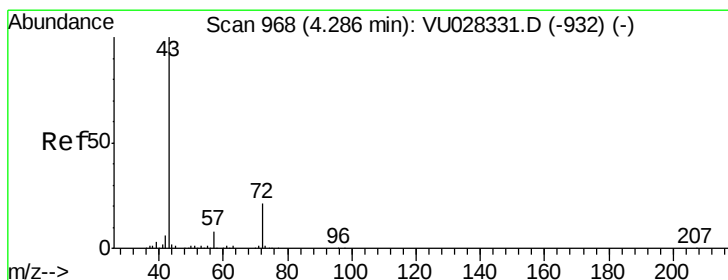
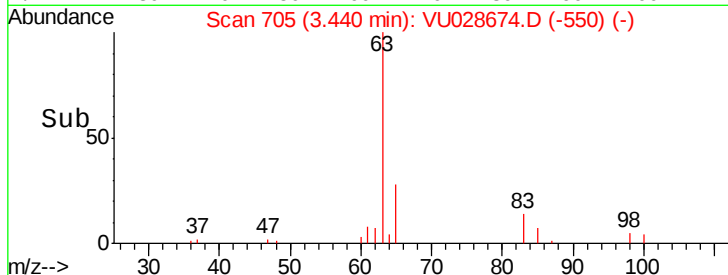
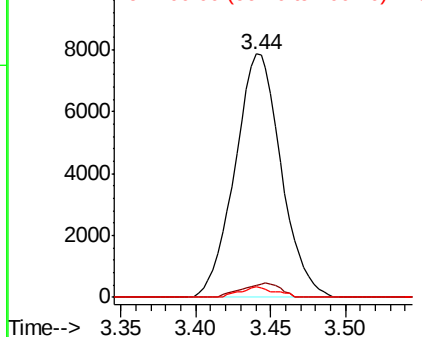
Tot Ion	Ratio	Lower	Upper
63	100		
98	5.1	3.0	9.0
100	4.1	1.8	5.3

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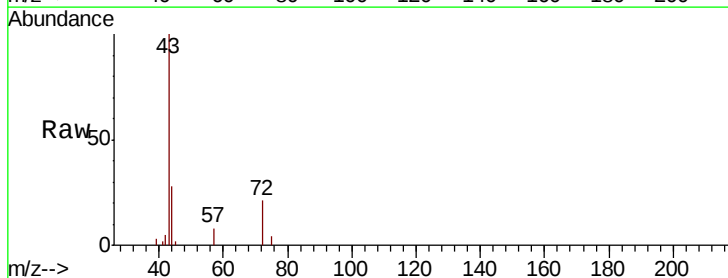


Abundance Ion 63.00 (62.70 to 63.70): VU028331.D (-688) (-)

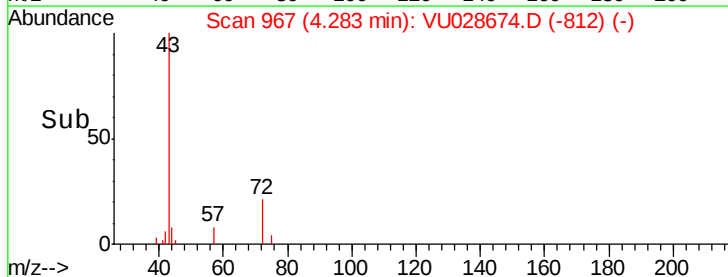
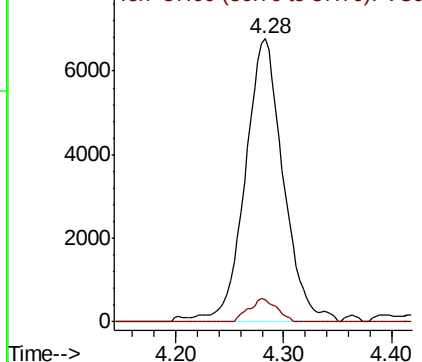


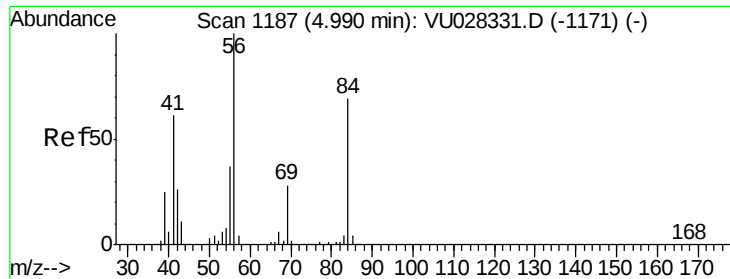
#18
 2-Butanone
 Concen: 11.084 ug/l
 RT: 4.28 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	0.0	15.0



Abundance Ion 43.00 (42.70 to 43.70): VU028331.D (-932) (-)





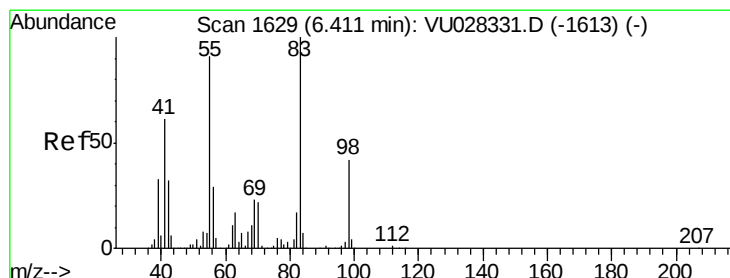
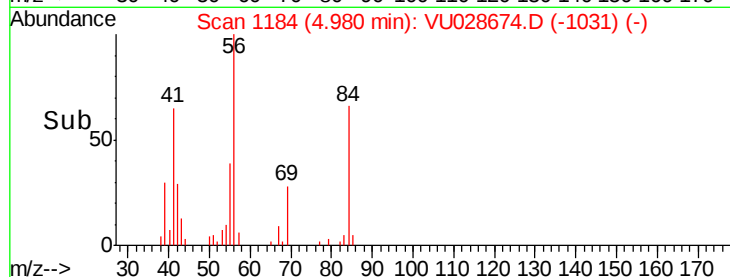
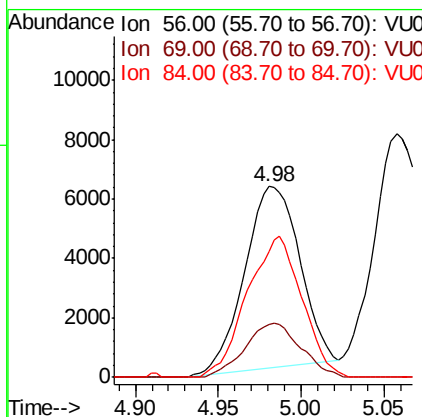
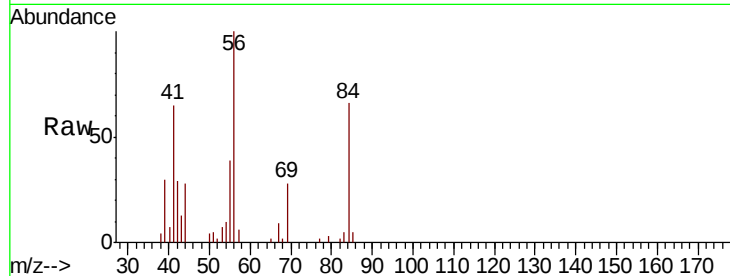
#19
Cyclohexane
Concen: 1.922 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.0	37.6
84	77.4	62.6	94.0

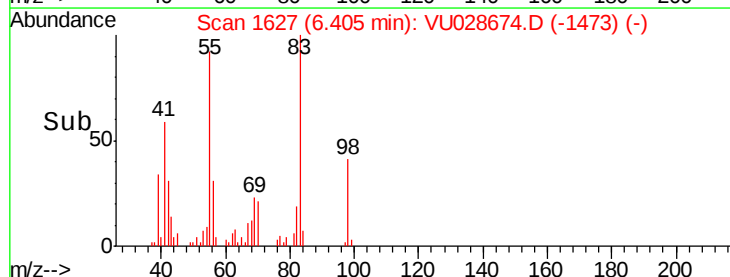
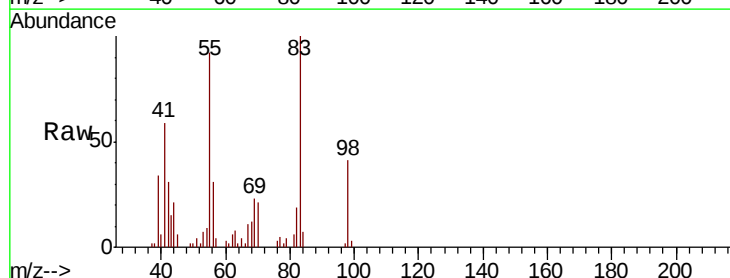
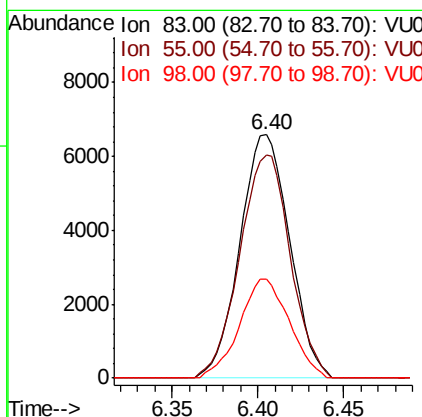
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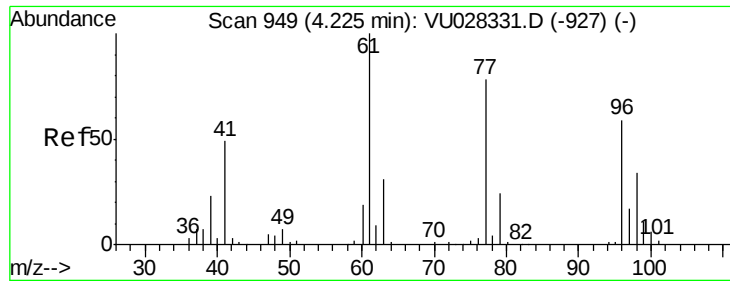
MMDadoda
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#20
Methylcyclohexane
Concen: 1.839 ug/l
RT: 6.40 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
83	100		
55	93.1	72.6	108.8
98	40.7	33.8	50.8





#21

2,2-Dichloropropane

Concen: 2.025 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

Tot Ion: 77 Resp: 13757

Ion Ratio Lower Upper

77 100

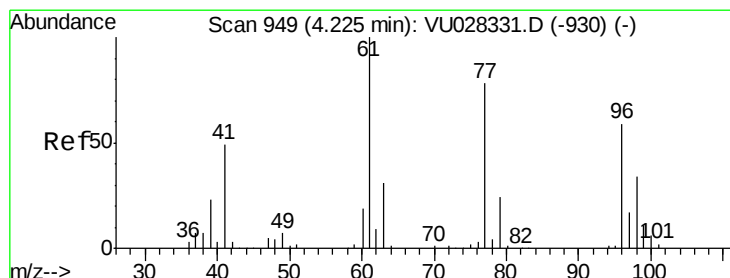
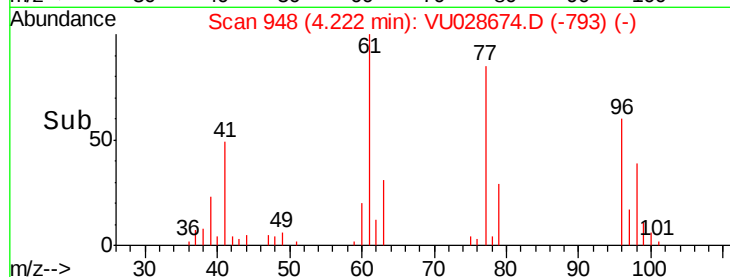
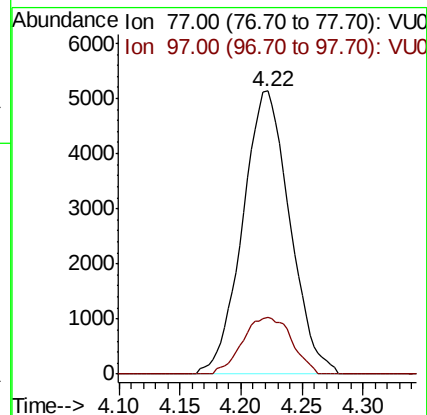
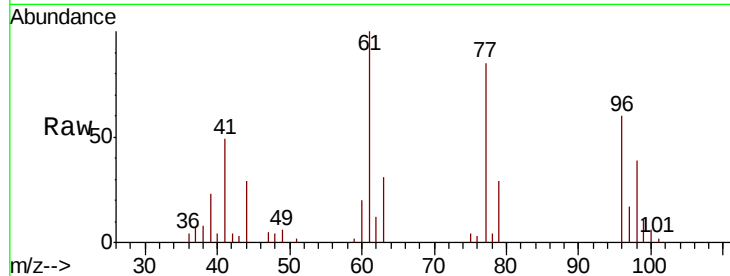
97 20.9 17.4 26.2

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 1.984 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

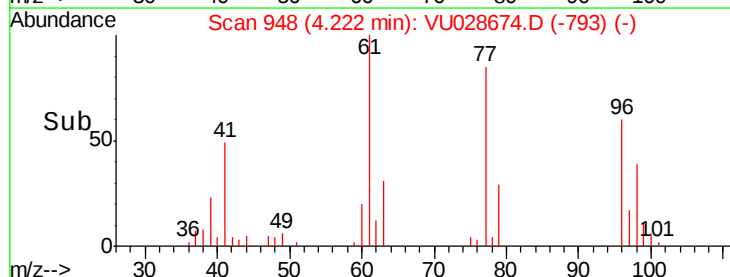
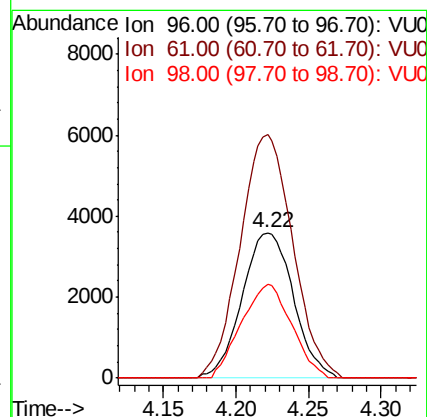
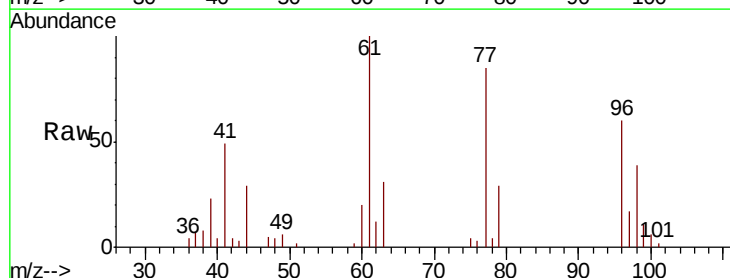
Tgt Ion: 96 Resp: 8816

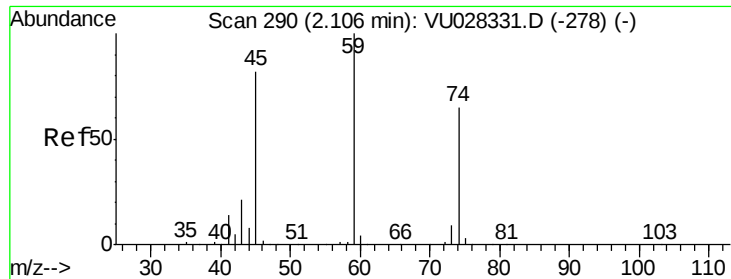
Ion Ratio Lower Upper

96 100

61 171.9 0.0 423.0

98 63.3 30.3 91.0





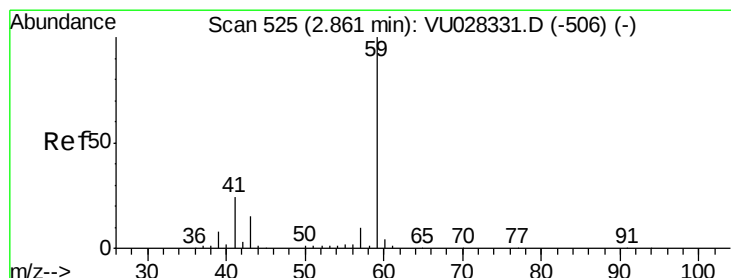
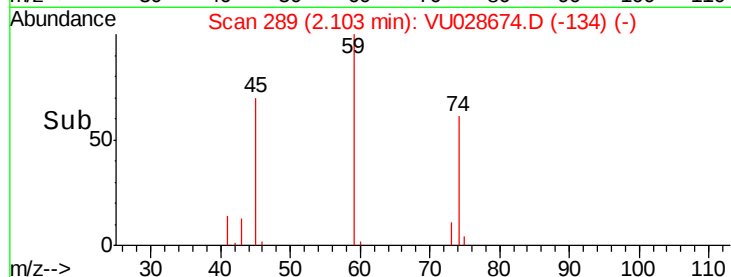
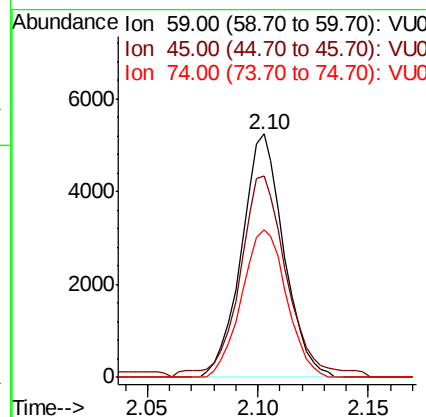
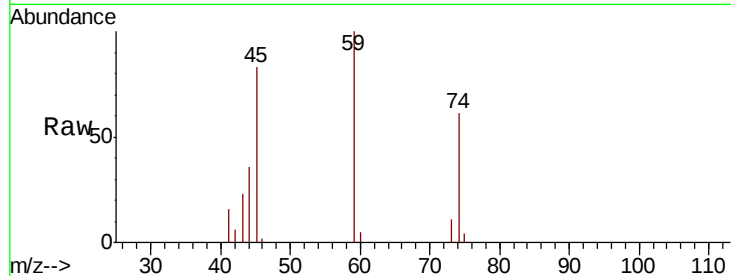
#23
Diethyl Ether
Concen: 2.053 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
45	92.0	66.4	99.6
74	63.9	52.2	78.4

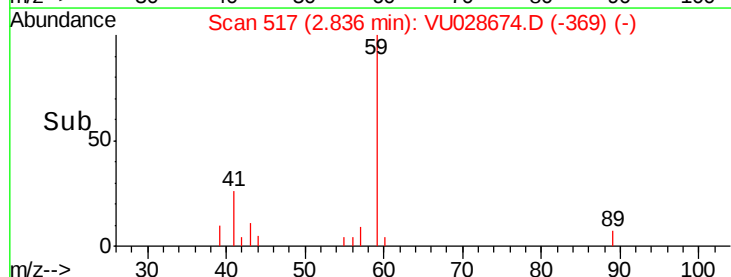
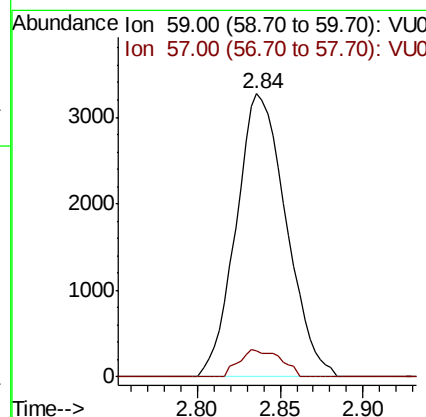
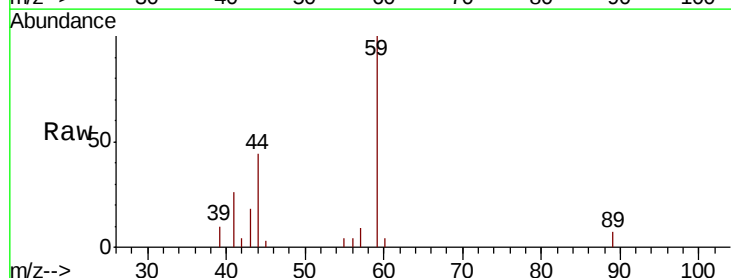
Manual Integrations
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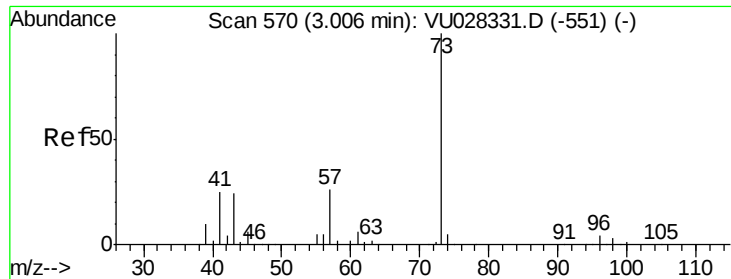
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 20.082 ug/l
RT: 2.84 min Scan# 517
Delta R.T. -0.03 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.1	8.2	12.4#





#25

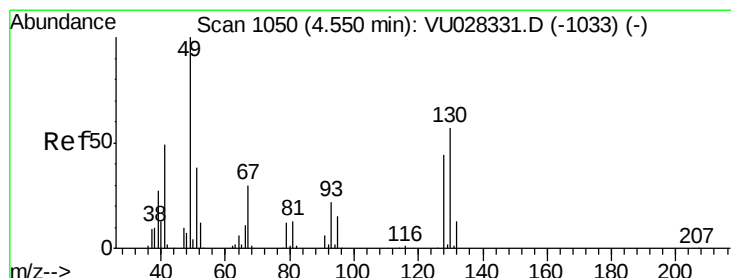
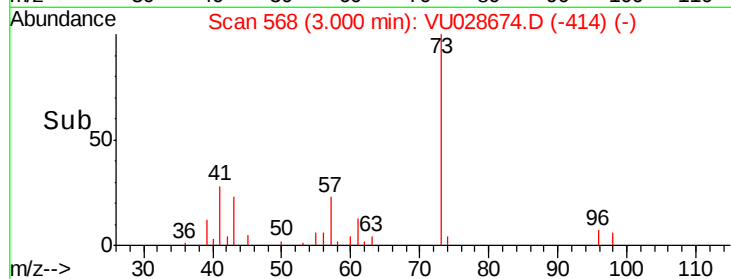
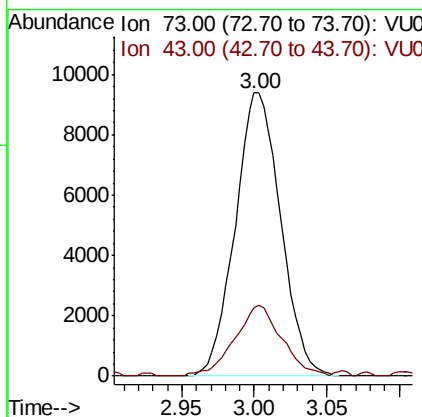
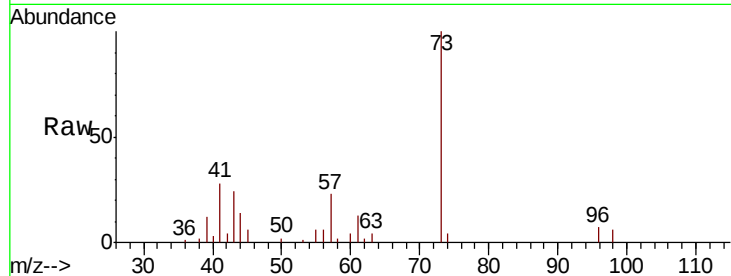
Methyl tert-Butyl Ether
 Concen: 2.026 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBSD01

Tot Ion	73	Resp	20423
Ion Ratio	Lower	Upper	
73	100		
43	26.0	18.5	27.7

Manual Integrations
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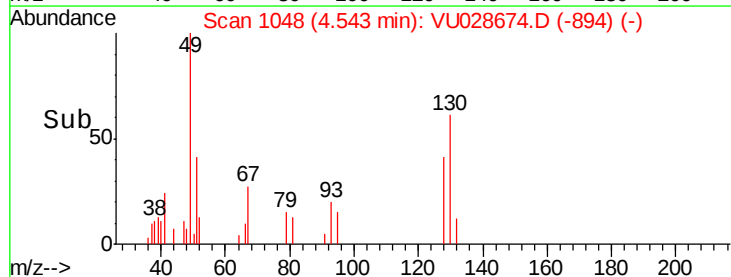
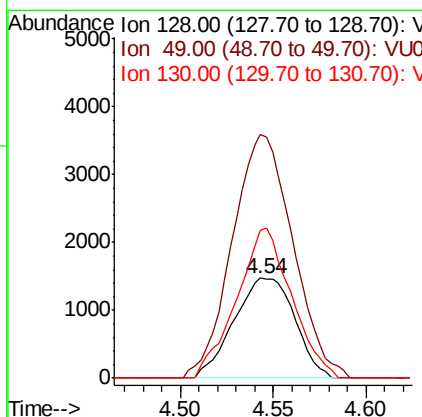
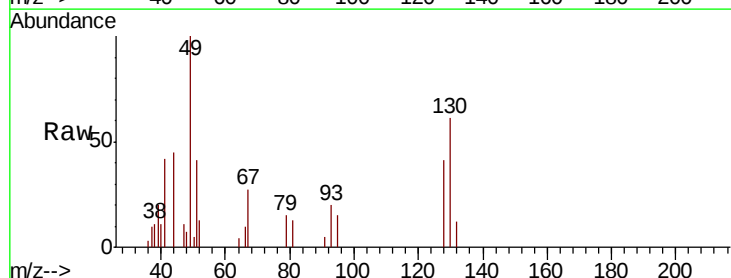
MMDadoda
 12/14/2018 9:32:23 AM

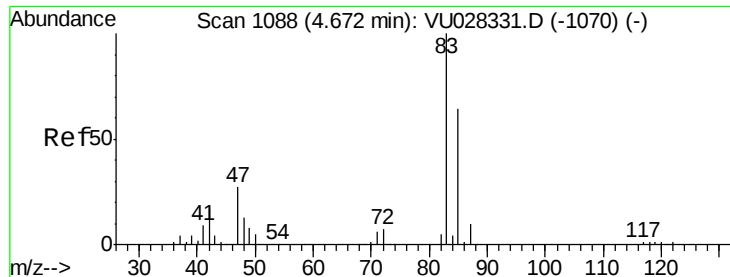


#26

Bromochloromethane
 Concen: 1.984 ug/l
 RT: 4.54 min Scan# 1048
 Delta R.T. -0.01 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Tgt Ion	128	Resp	3360
Ion Ratio	Lower	Upper	
128	100		
49	242.8	0.0	457.6
130	135.2	101.4	152.2





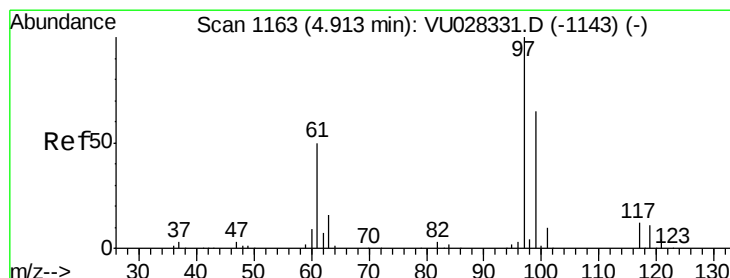
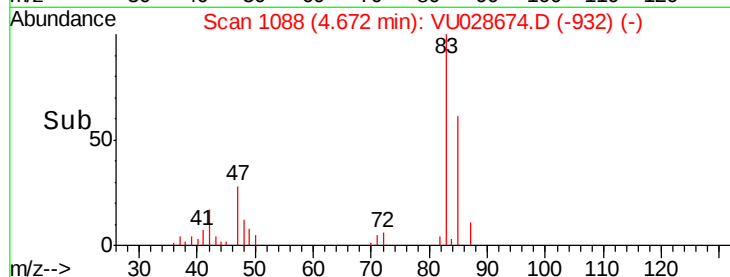
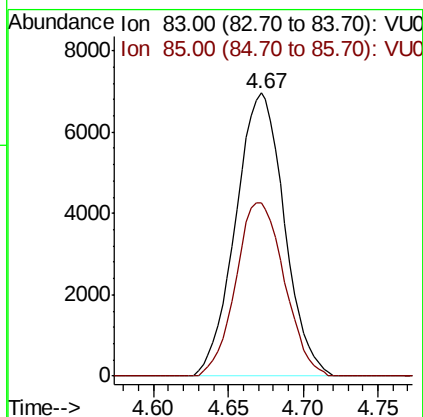
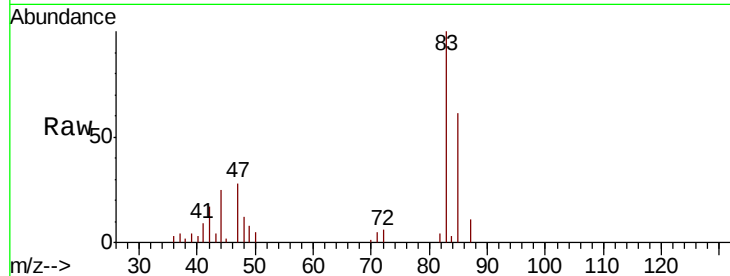
#27
Chloroform
Concen: 1.936 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion	83	Resp	15801
Ion Ratio	100	Lower	Upper
85	61.0	0.0	128.0

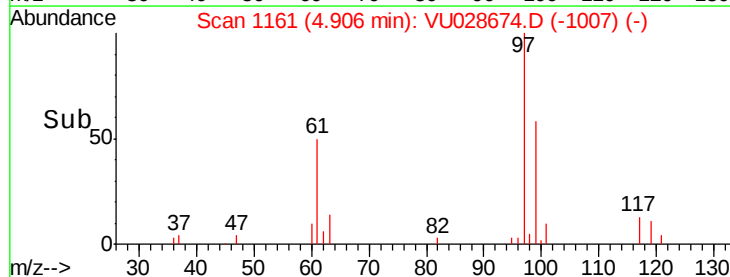
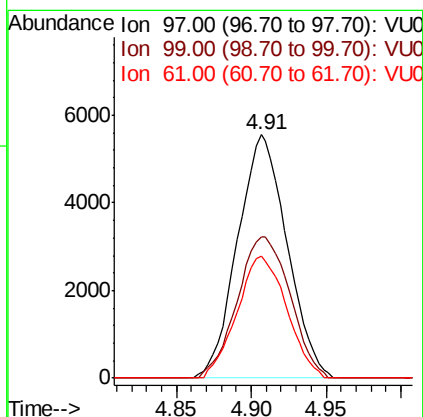
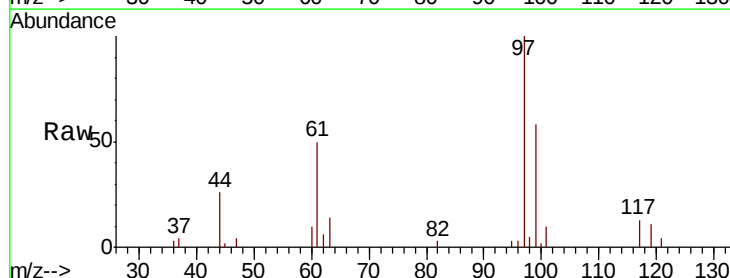
Manual Integrations
APPROVED

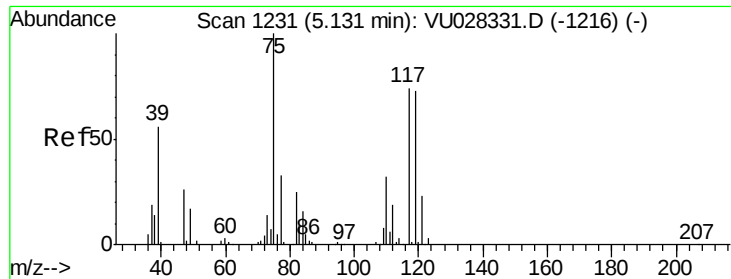
MMDadoda
12/14/2018 9:32:23 AM



#28
1,1,1-Trichloroethane
Concen: 2.003 ug/l
RT: 4.91 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion	97	Resp	12767
Ion Ratio	100	Lower	Upper
99	61.9	32.2	96.6
61	50.2	24.9	74.7





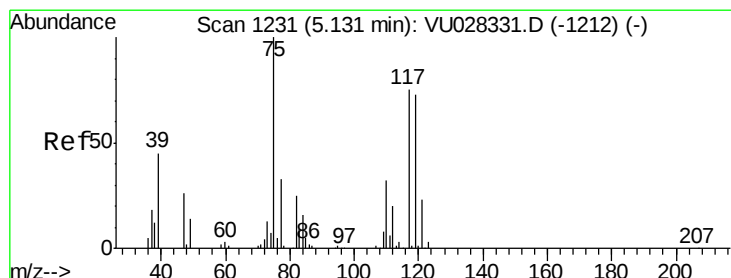
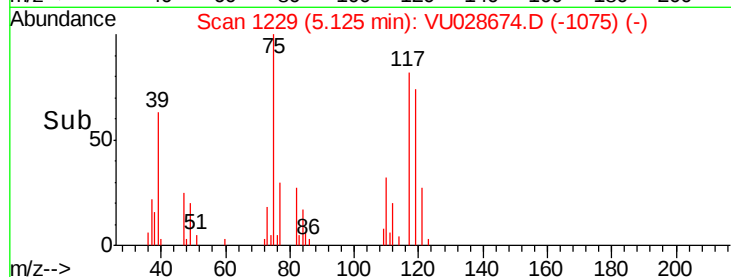
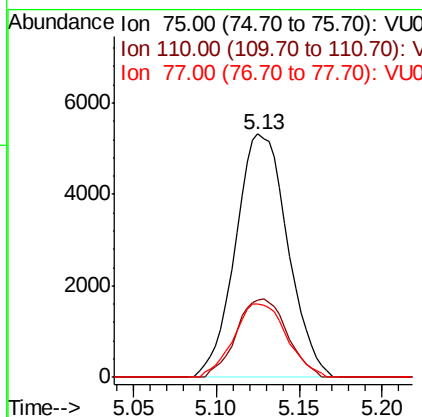
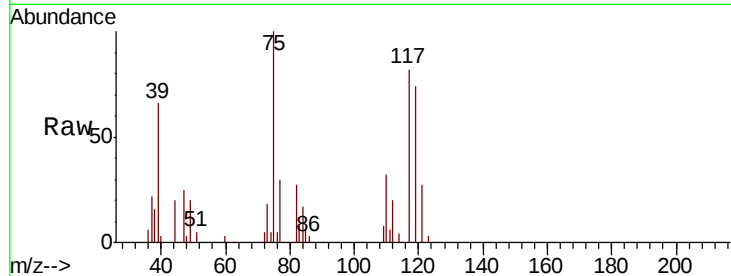
#29
 1,1-Dichloropropene
 Concen: 1.903 ug/l
 RT: 5.13 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.3	15.8	47.3	
77	30.7	25.4	38.0	

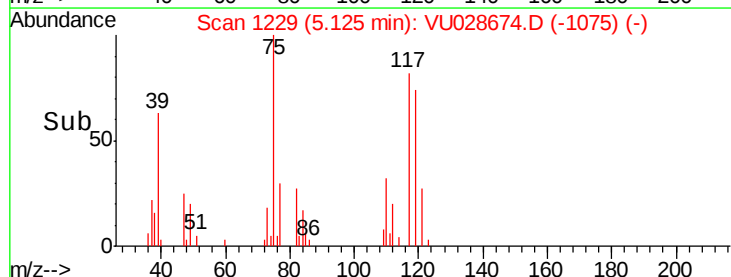
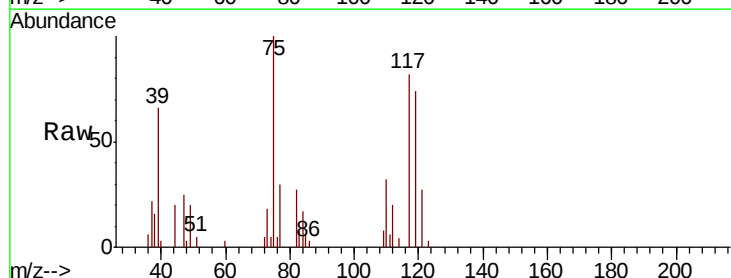
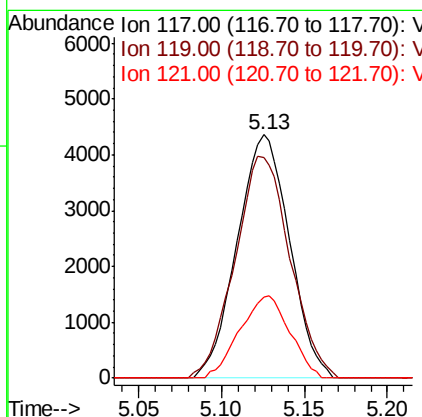
Manual Integrations
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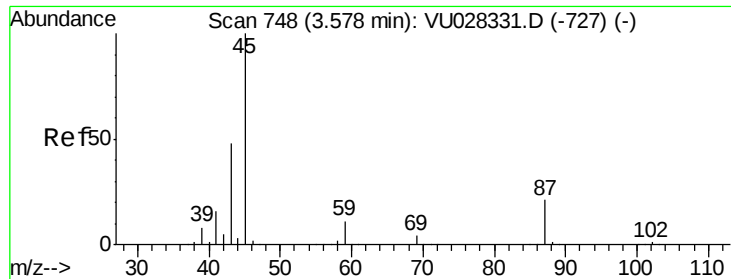
MMDadoda
 12/14/2018 9:32:23 AM



#30
 Carbon Tetrachloride
 Concen: 1.854 ug/l
 RT: 5.13 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	90.5	78.2	117.4	
121	33.3	24.7	37.1	





#31

Isopropyl Ether

Concen: 2.026 ug/l

RT: 3.58 min Scan# 748

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

Tot Ion: 45 Resp: 30711

Ion Ratio Lower Upper

45 100

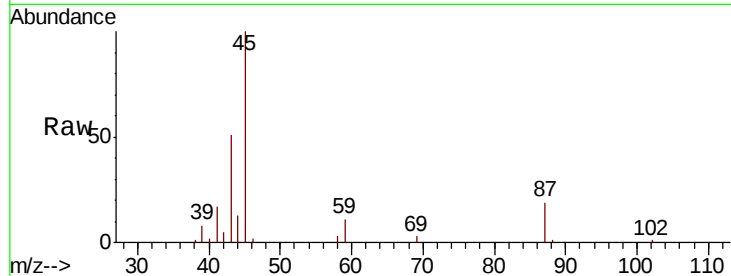
43 50.8 24.2 72.6

Manual Integrations

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12/14/2018 9:32:23 AM



Abundance Ion 45.00 (44.70 to 45.70): VU028331.D (-727) (-)

Ion 43.00 (42.70 to 43.70): VU028331.D (-727) (-)

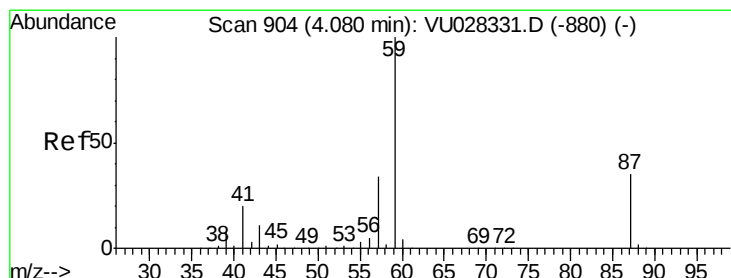
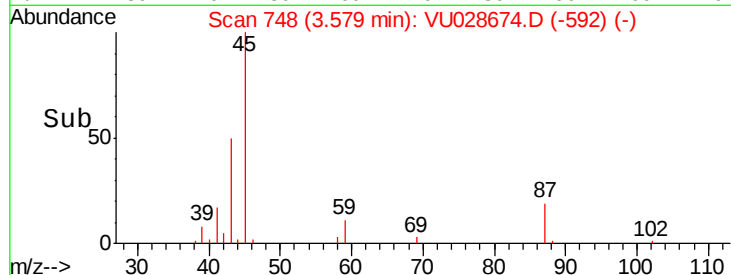
3.58

10000

5000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 1.919 ug/l

RT: 4.08 min Scan# 903

Delta R.T. -0.00 min

Lab File: VU028674.D

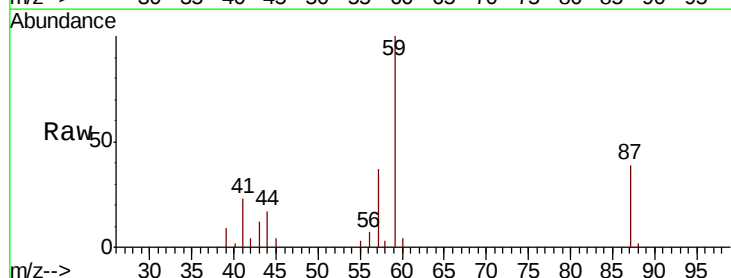
Acq: 13 Dec 2018 13:12

Tgt Ion: 59 Resp: 23964

Ion Ratio Lower Upper

59 100

87 38.3 28.2 42.4



Abundance Ion 59.00 (58.70 to 59.70): VU028331.D (-880) (-)

Ion 87.00 (86.70 to 87.70): VU028331.D (-880) (-)

4.08

10000

8000

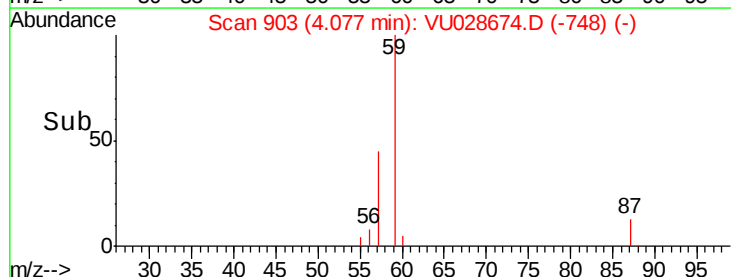
6000

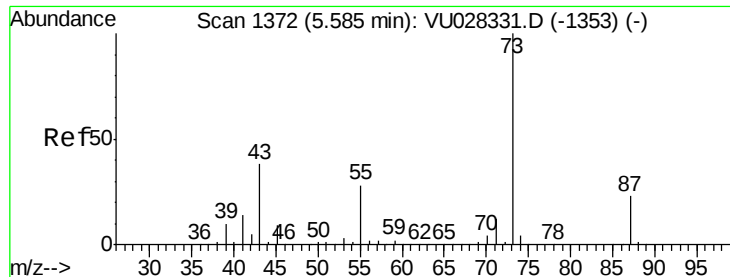
4000

2000

0

Time-->





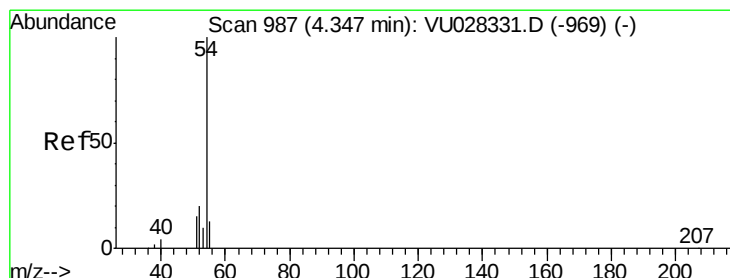
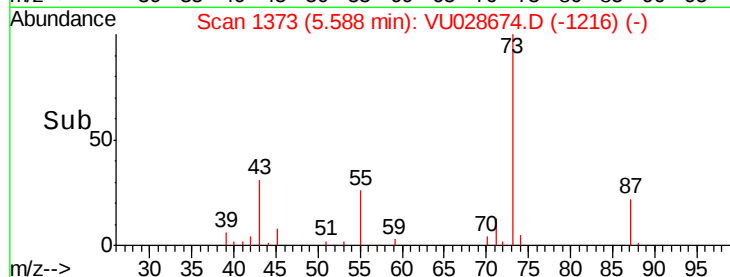
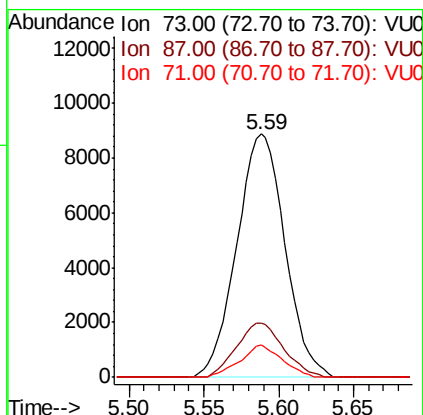
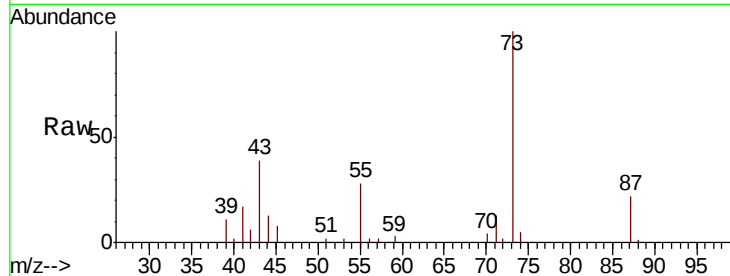
#33
Tert-Butyl methyl ether
Concen: 1.915 ug/l
RT: 5.59 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
87	21.9	17.6	26.4
71	11.6	9.2	13.8

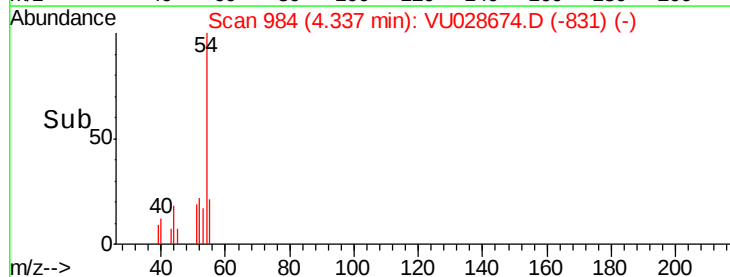
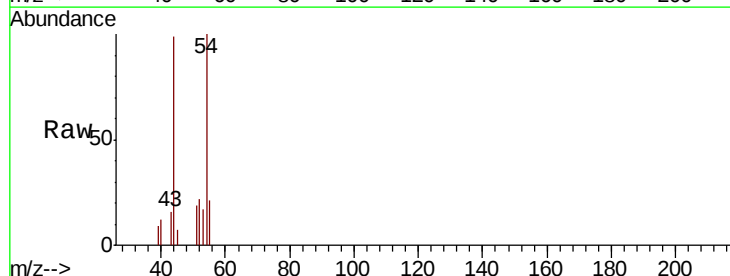
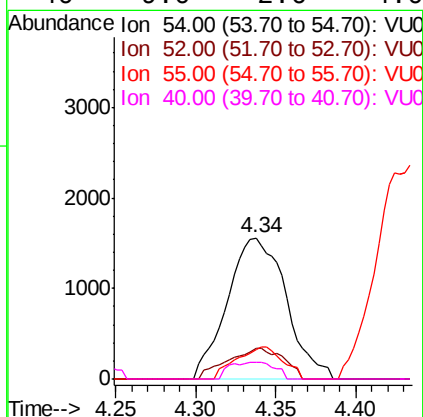
Manual Integrations
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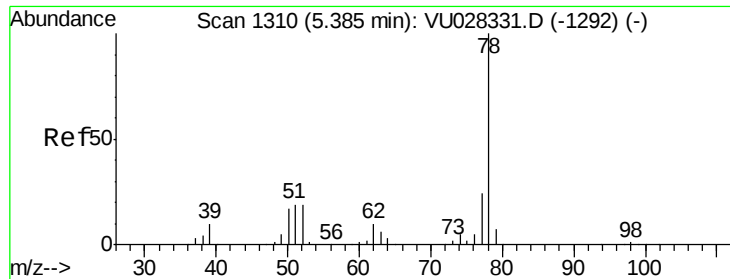
MMDadoda
12/14/2018 9:32:23 AM



#34
Propionitrile
Concen: 10.413 ug/l
RT: 4.34 min Scan# 984
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.6	16.6	25.0
55	18.1	12.9	19.3
40	9.0	2.6	4.0





#35

Benzene

Concen: 1.930 ug/l

RT: 5.38 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

Tot Ion: 78 Resp: 34745

Ion Ratio Lower Upper

78 100

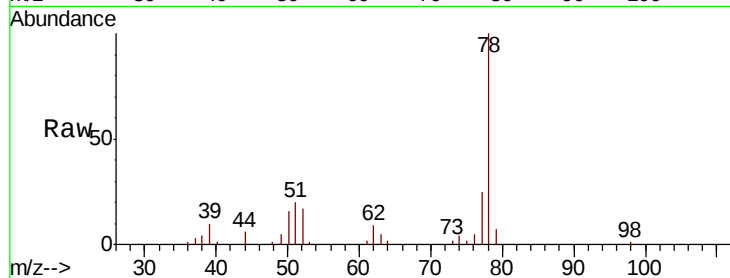
77 24.9 19.5 29.3

Manual Integrations

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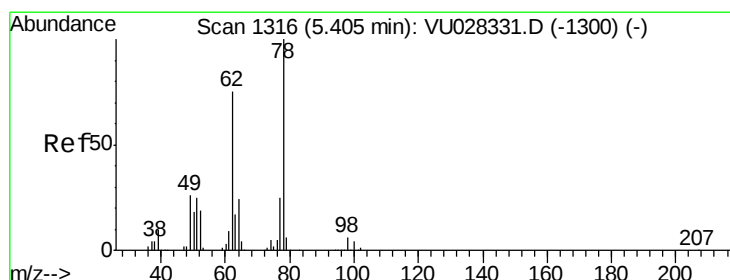
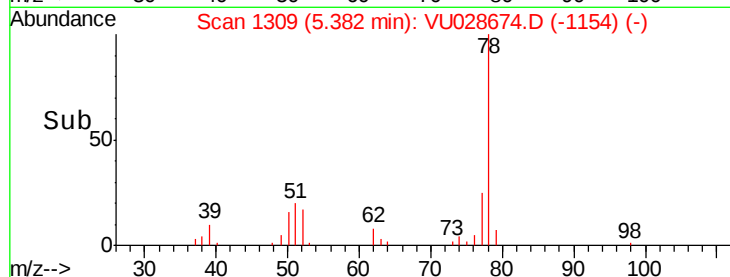
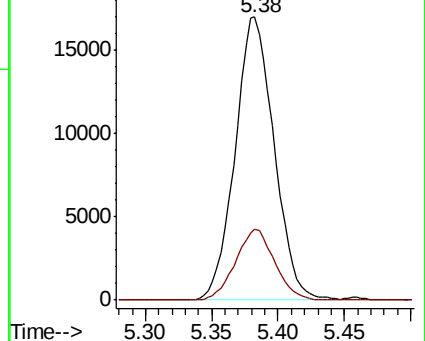
MMDadoda

12/14/2018 9:32:23 AM



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 1.979 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU028674.D

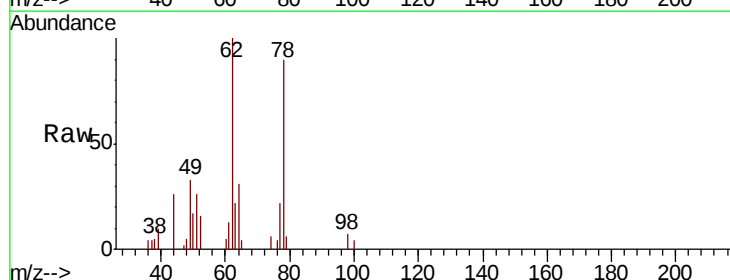
Acq: 13 Dec 2018 13:12

Tgt Ion: 62 Resp: 10658

Ion Ratio Lower Upper

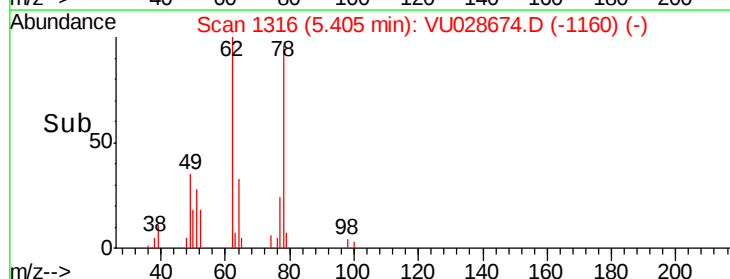
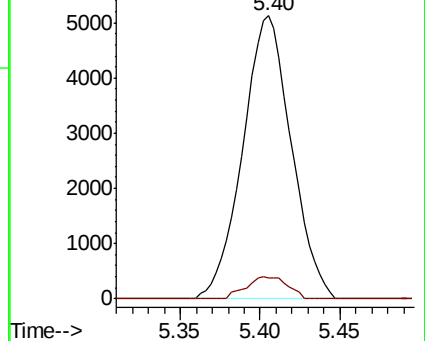
62 100

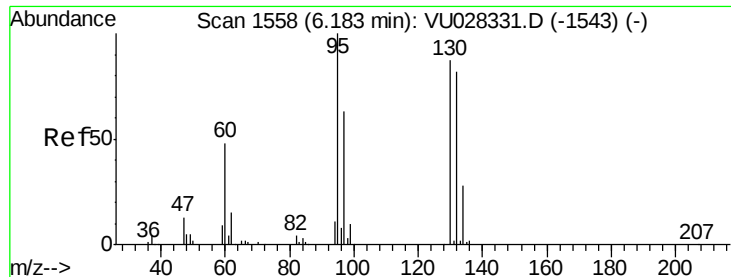
98 6.6 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





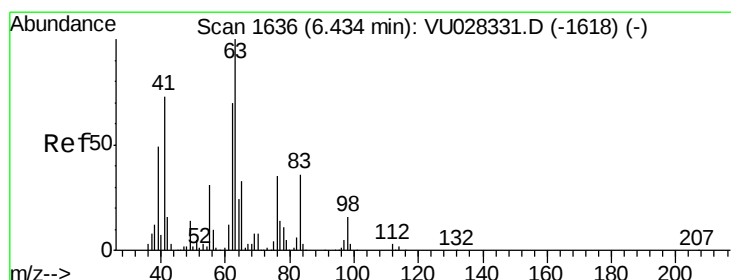
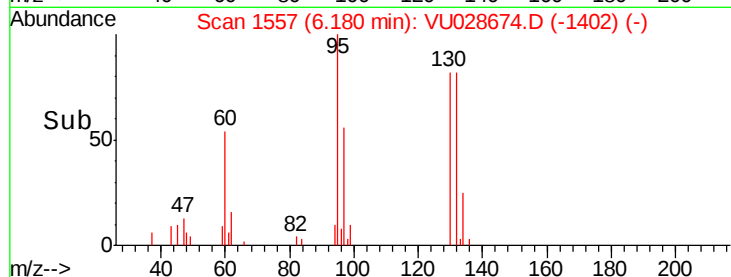
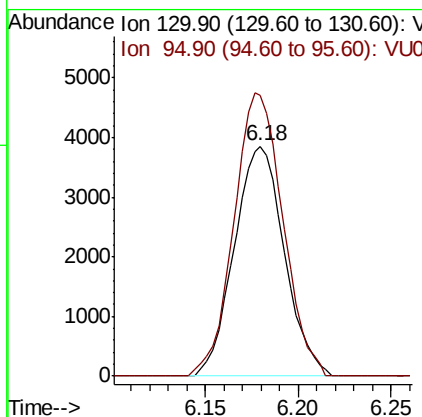
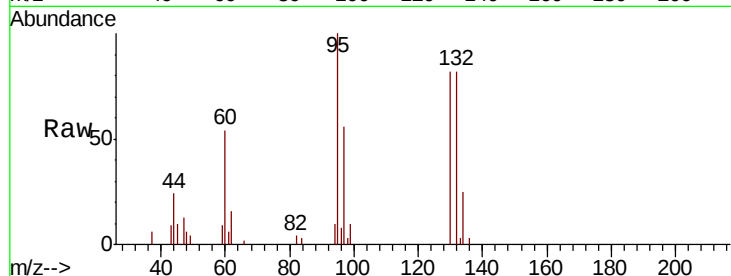
#37
 Trichloroethene
 Concen: 1.841 ug/l
 RT: 6.18 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBSD01

Tot Ion:130 Resp: 7221
 Ion Ratio Lower Upper
 130 100
 95 121.8 91.5 137.3

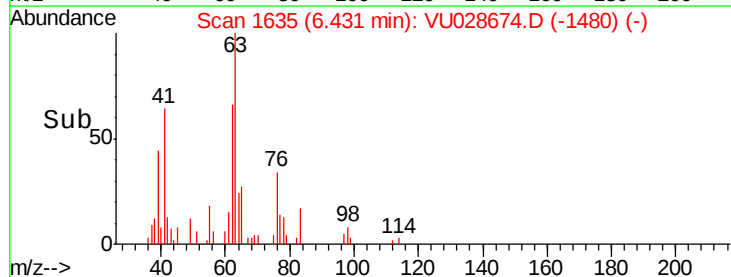
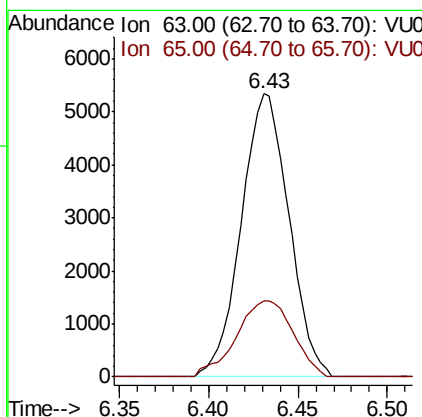
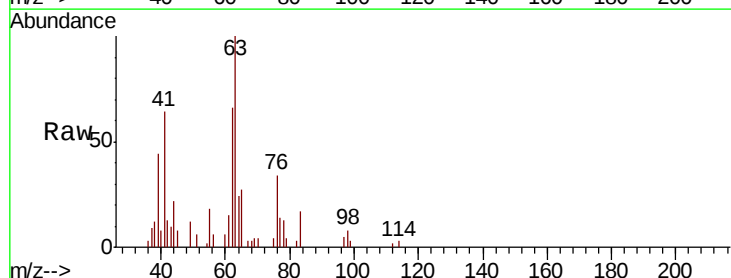
Manual Integrations
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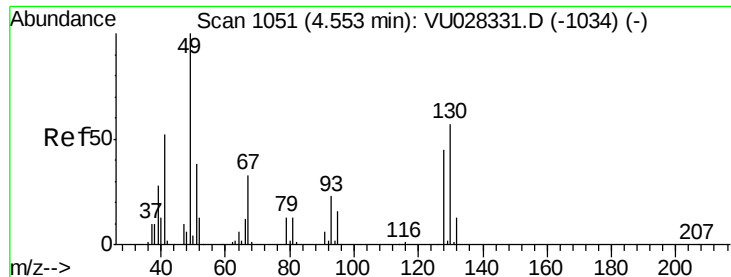
MMDadoda
 12/14/2018 9:32:23 AM



#38
 1,2-Dichloropropane
 Concen: 1.944 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Tgt Ion: 63 Resp: 9982
 Ion Ratio Lower Upper
 63 100
 65 27.0 26.2 39.4





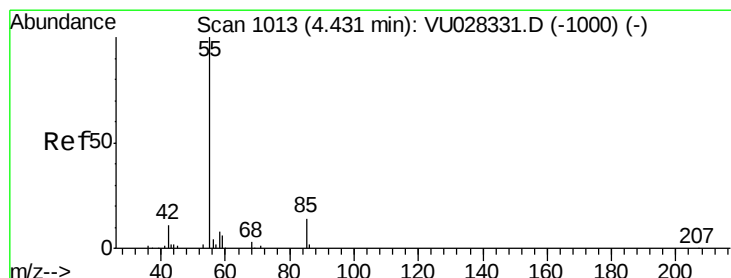
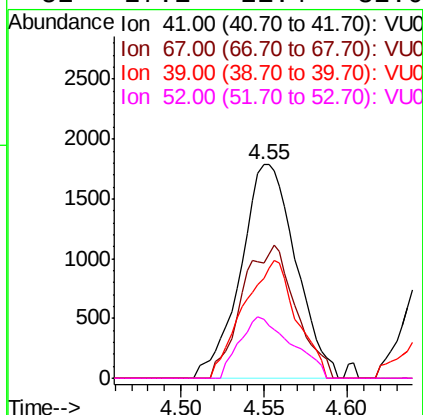
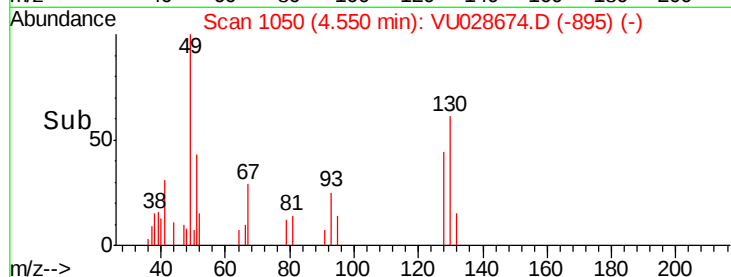
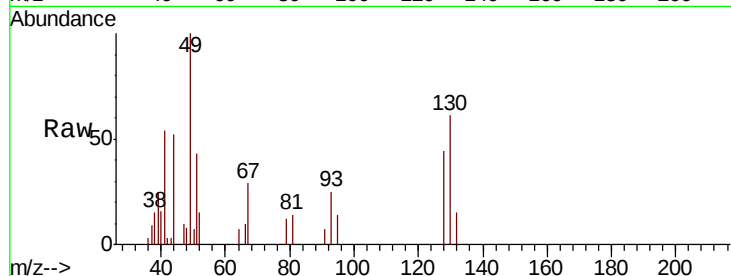
#39
Methacrylonitrile
Concen: 2.052 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion	41	Resp	4132
Ion	Ratio	Lower	Upper
41	100		
67	60.8	48.2	72.4
39	53.0	42.9	64.3
52	27.1	21.4	32.0

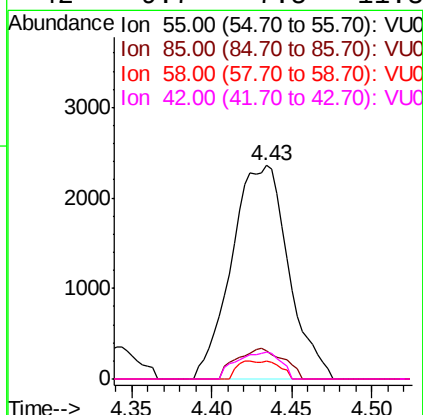
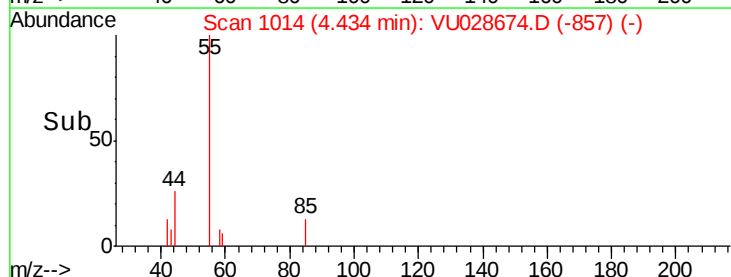
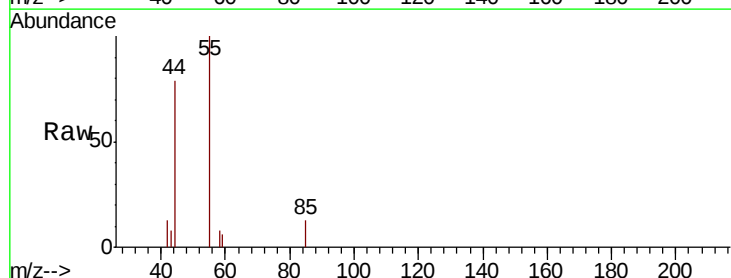
Manual Integrations
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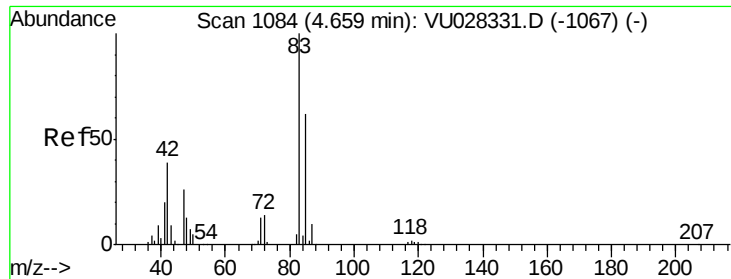
MMDadoda
12/14/2018 9:32:23 AM



#40
Methyl acrylate
Concen: 2.063 ug/l
RT: 4.43 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion	55	Resp	5717
Ion	Ratio	Lower	Upper
55	100		
85	11.8	10.9	16.3
58	3.0	6.4	9.6#
42	9.7	7.5	11.3





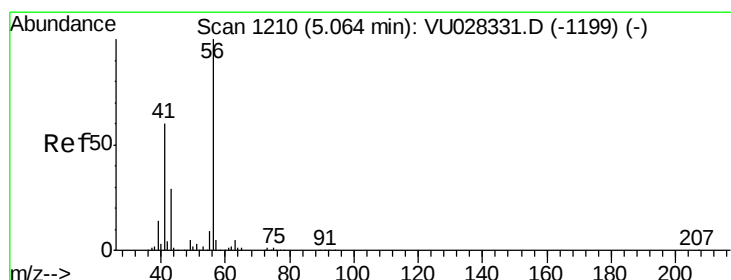
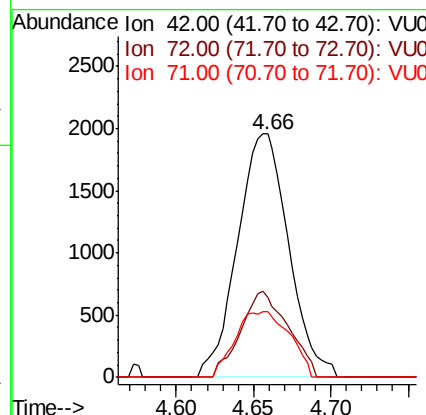
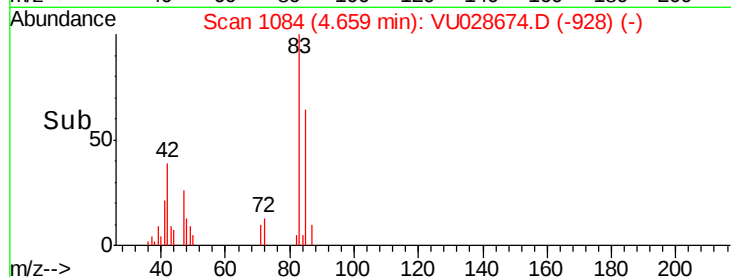
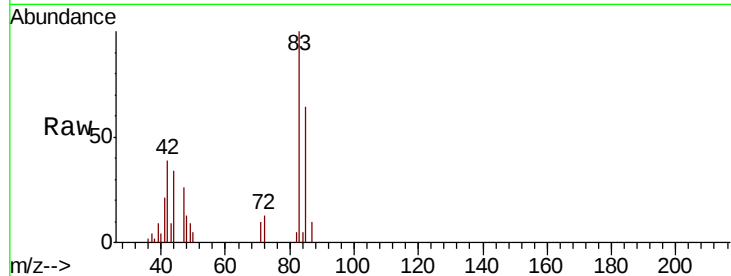
#41
Tetrahydrofuran
Concen: 4.444 ug/l
RT: 4.66 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.9	29.8	44.6
71	28.6	25.9	38.9

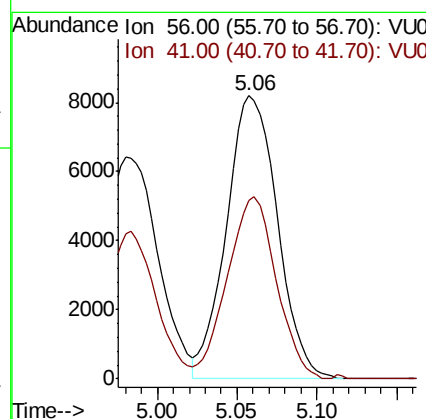
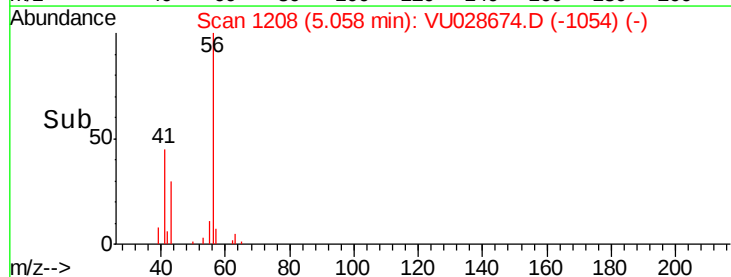
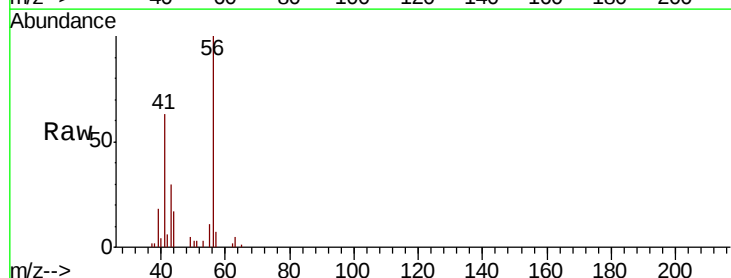
Manual Integrations
APPROVED

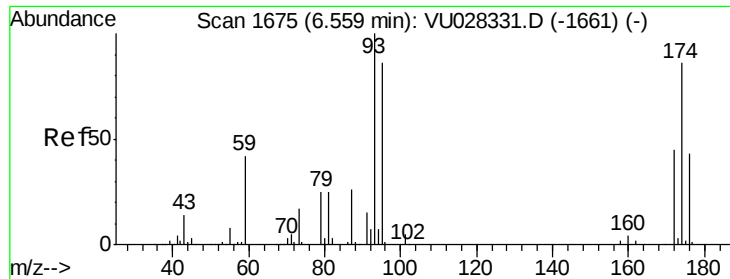
MMDadoda
12/14/2018 9:32:23 AM



#42
1-Chlorobutane
Concen: 1.843 ug/l
RT: 5.06 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
56	100		
41	61.7	29.8	89.3





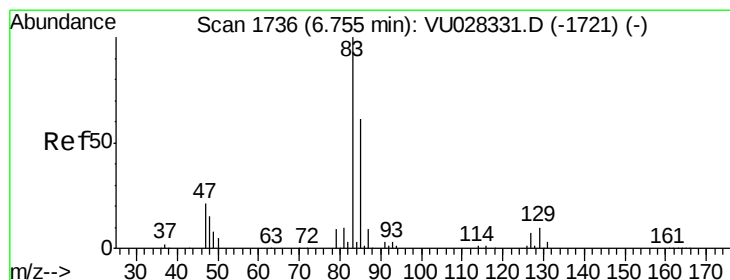
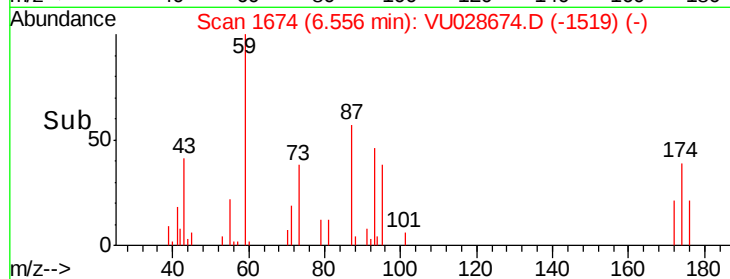
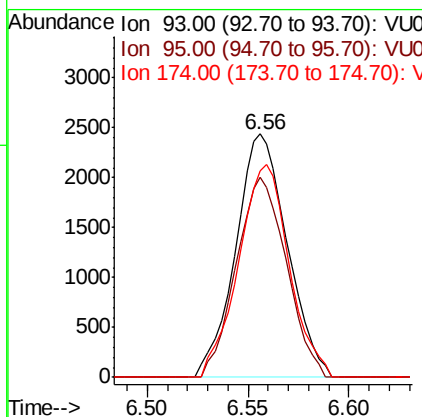
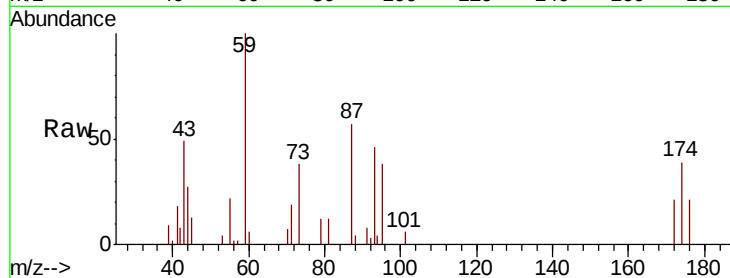
#43
Dibromomethane
Concen: 1.993 ug/l
RT: 6.56 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
93	100		
95	80.1	66.6	99.8
174	85.7	69.4	104.2

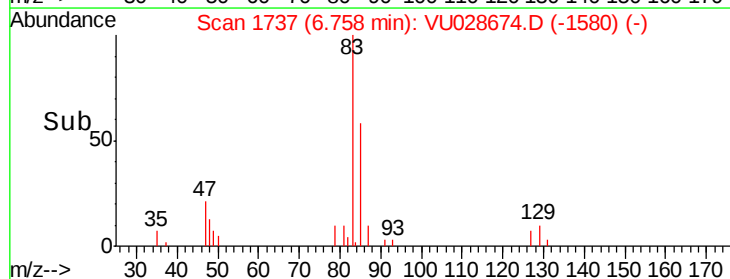
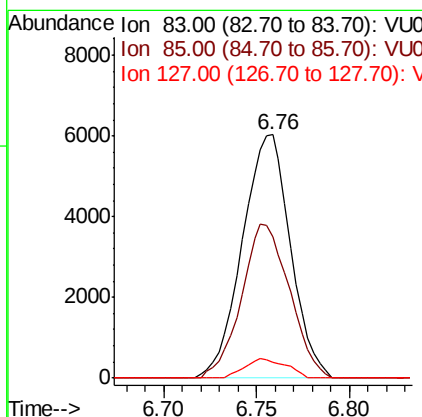
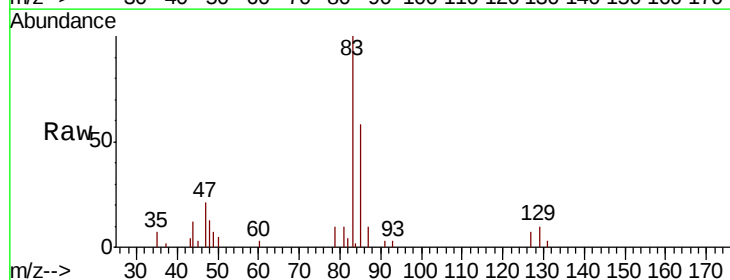
Manual Integrations
APPROVED

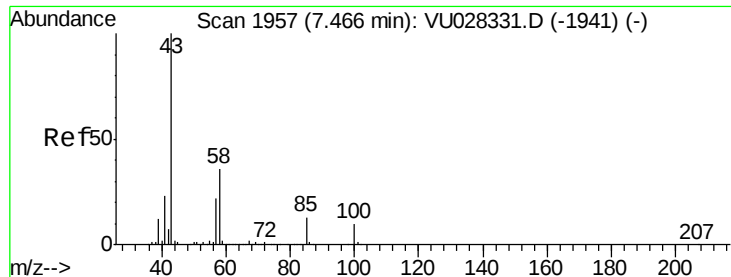
MMDadoda
12/14/2018 9:32:23 AM



#44
Bromodichloromethane
Concen: 1.883 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.9	49.0	73.6
127	6.6	5.7	8.5





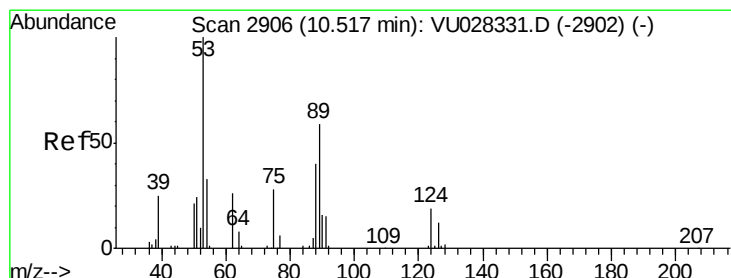
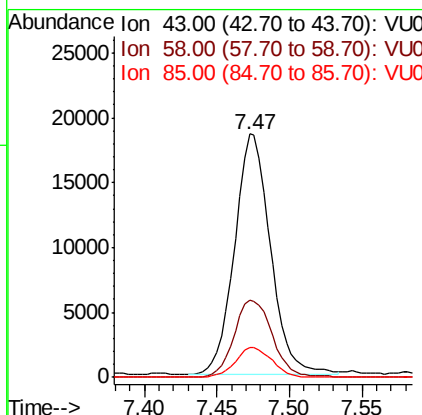
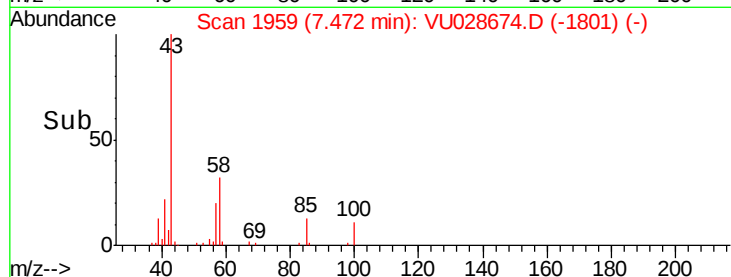
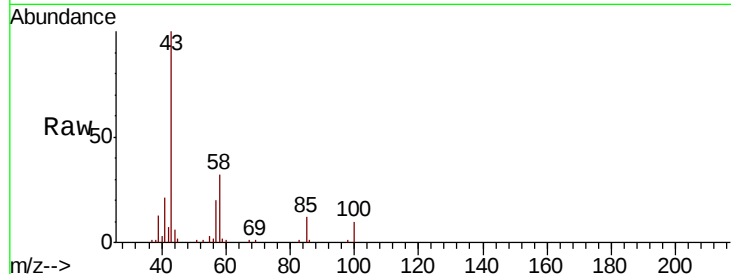
#45
4-Methyl-2-Pentanone
Concen: 9.110 ug/l
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.1	17.9	53.7
85	12.4	10.8	16.2

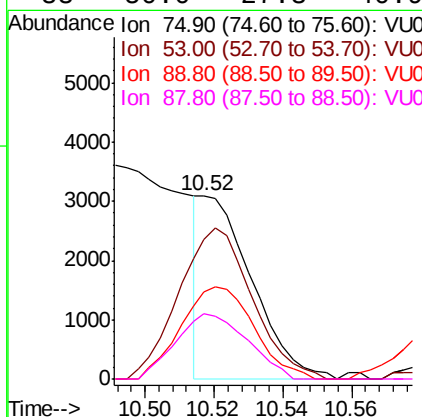
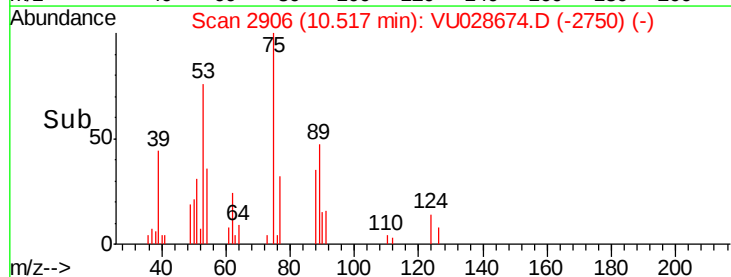
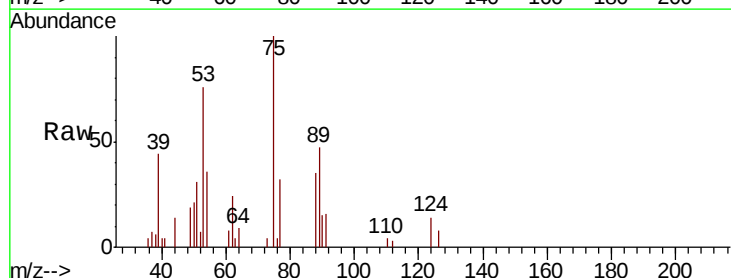
Manual Integrations
APPROVED

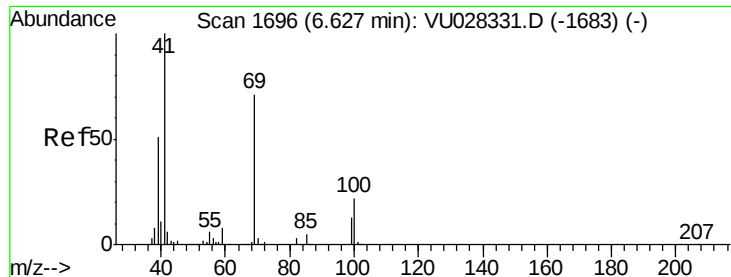
MMDadoda
12/14/2018 9:32:23 AM



#46
t-1,4-Dichloro-2-butene
Concen: 2.491 ug/l m
RT: 10.52 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
75	100		
53	118.4	65.0	97.6#
89	71.8	38.6	58.0#
88	50.0	27.3	40.9#





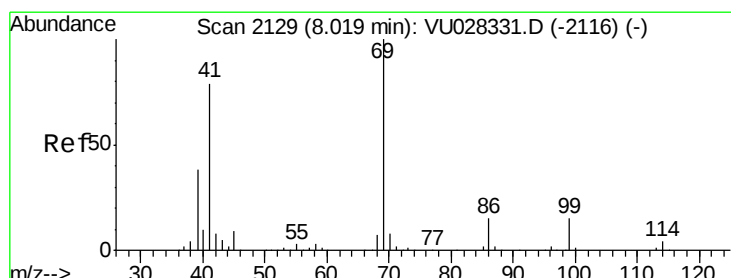
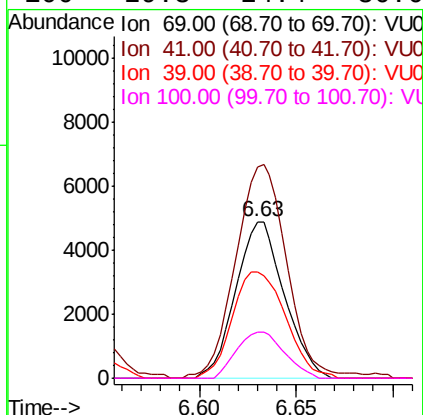
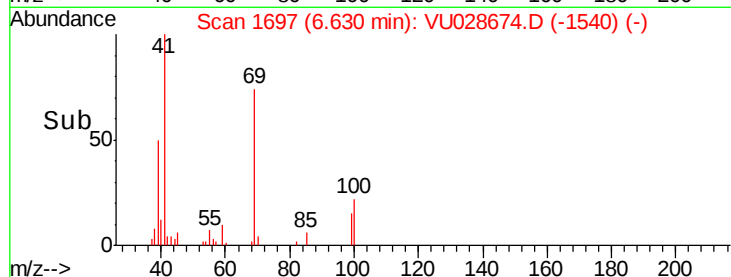
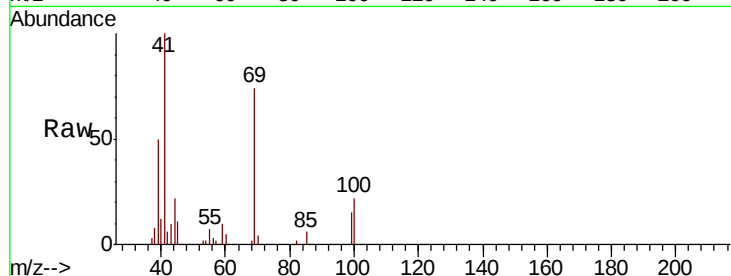
#47
Methyl methacrylate
Concen: 3.808 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	144.6	0.0	277.2	
39	74.5	57.6	86.4	
100	29.3	24.4	36.6	

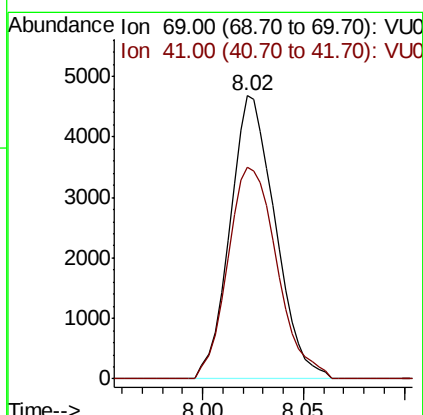
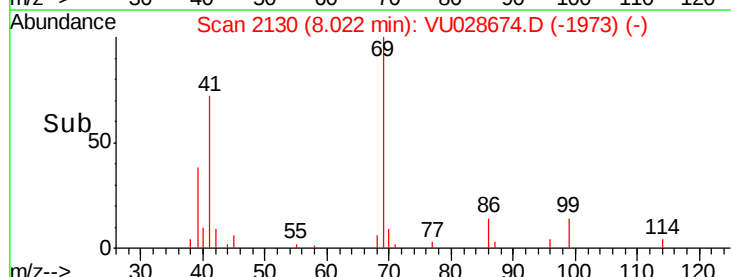
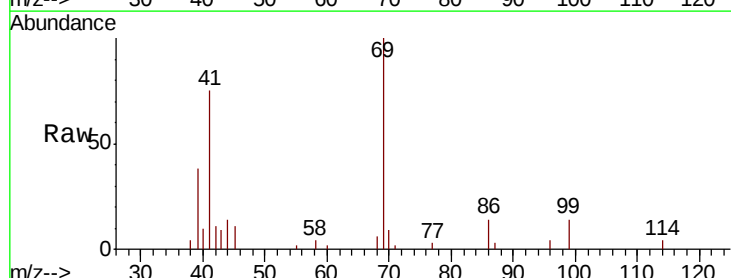
Manual Integrations
APPROVED

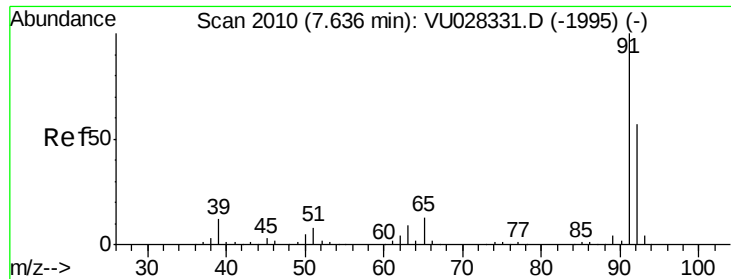
MMDadoda
12/14/2018 9:32:23 AM



#48
Ethyl methacrylate
Concen: 1.650 ug/l
RT: 8.02 min Scan# 2130
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	81.3	39.4	118.2	





#49

Toluene

Concen: 1.849 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

Tot Ion: 92 Resp: 18492

Ion Ratio Lower Upper

92 100

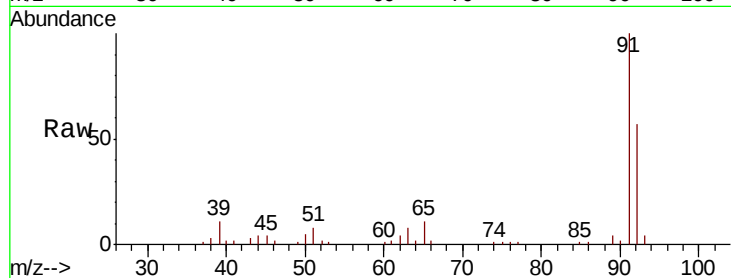
91 174.9 141.5 212.3

Manual Integrations

APPROVED

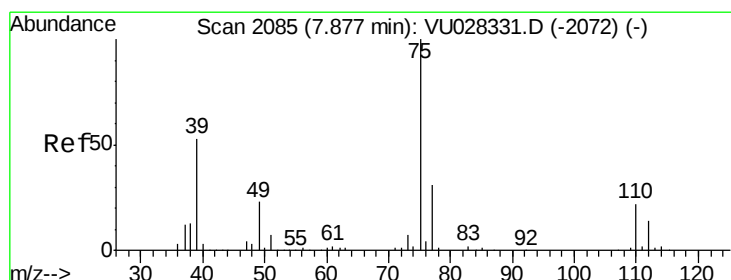
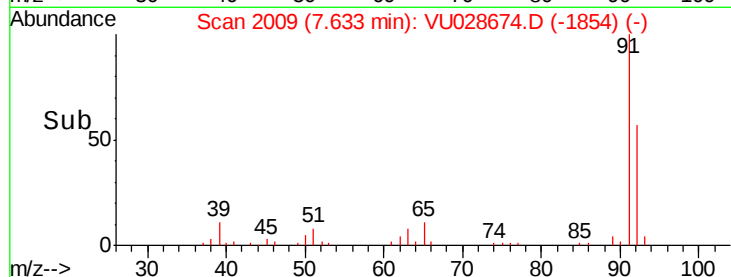
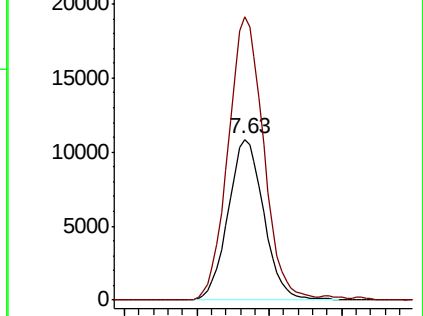
MMDadoda

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Abundance Ion 92.00 (91.70 to 92.70): VU028331.D (-1995) (-)

Ion 91.00 (90.70 to 91.70): VU028331.D (-1995) (-)



#50

t-1,3-Dichloropropene

Concen: 1.849 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028674.D

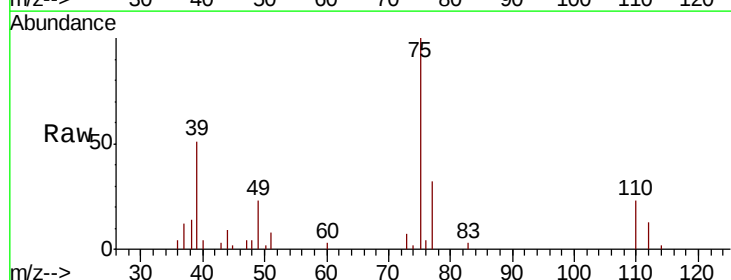
Acq: 13 Dec 2018 13:12

Tgt Ion: 75 Resp: 10252

Ion Ratio Lower Upper

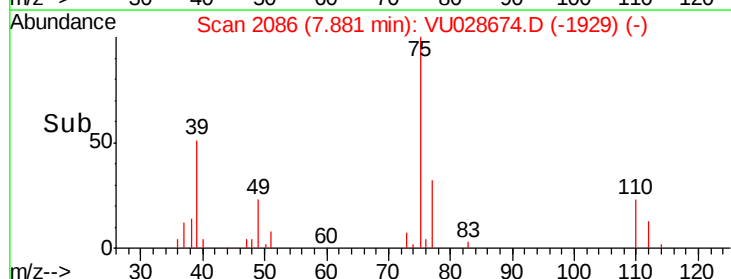
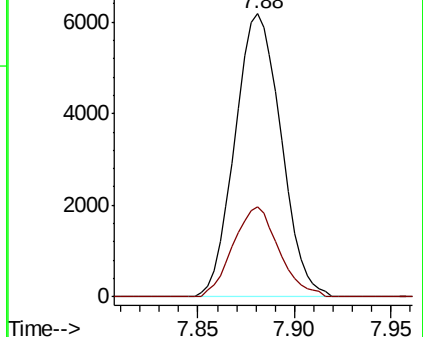
75 100

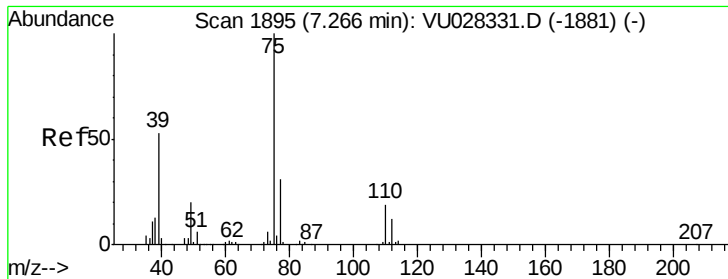
77 31.9 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VU028331.D (-2072) (-)

Ion 77.00 (76.70 to 77.70): VU028331.D (-2072) (-)





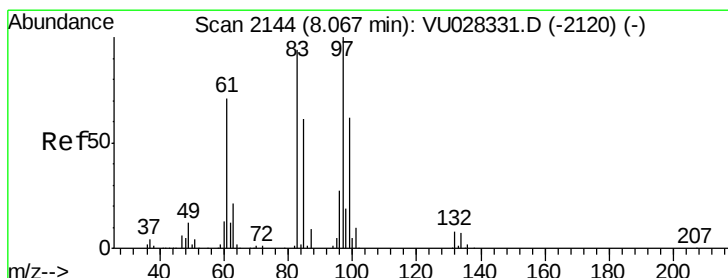
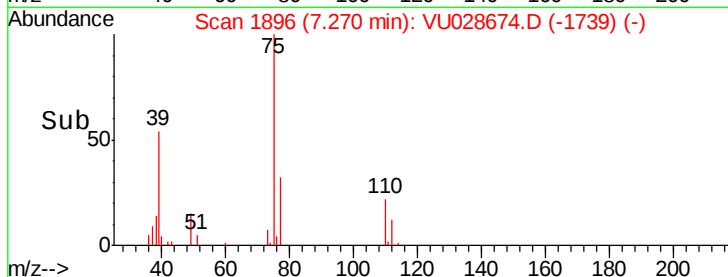
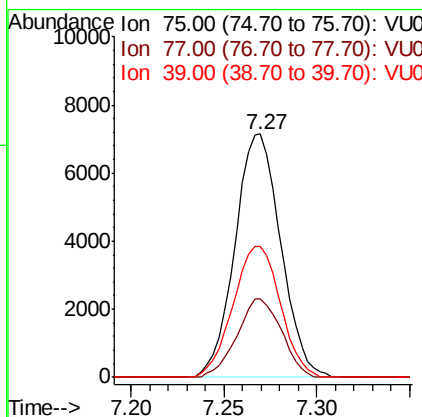
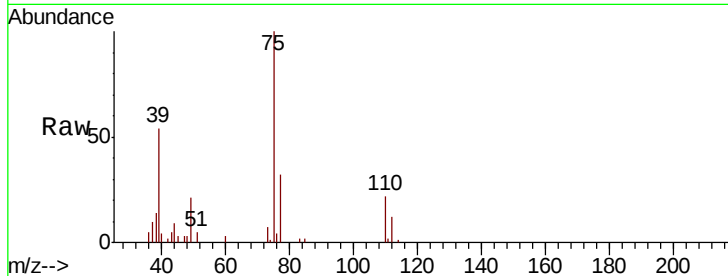
#51
 cis-1,3-Dichloropropene
 Concen: 1.794 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.4	36.6
39	53.8	42.8	64.2

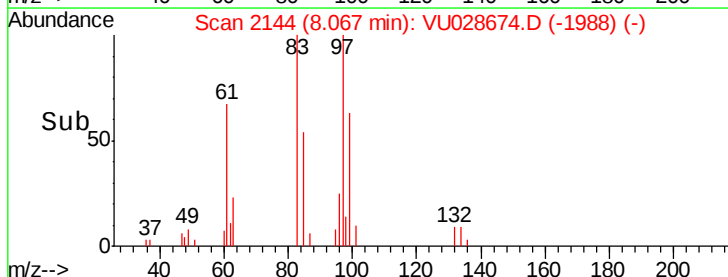
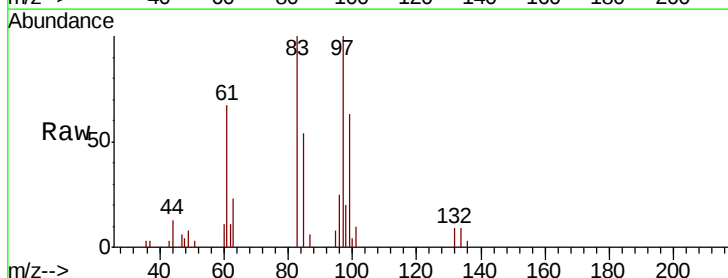
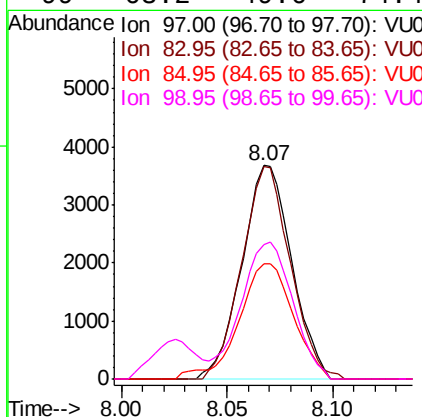
Manual Integrations
 APPROVED

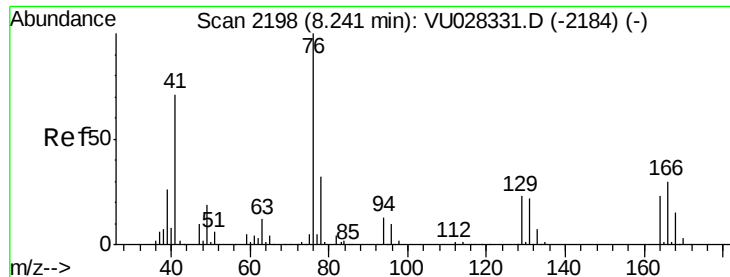
MMDadoda
 12/14/2018 9:32:23 AM



#52
 1,1,2-Trichloroethane
 Concen: 1.968 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	99.7	75.1	112.7
85	53.9	48.7	73.1
99	63.2	49.6	74.4





#53

1,3-Dichloropropane

Concen: 1.892 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

Tot Ion: 76 Resp: 10846

Ion Ratio Lower Upper

76 100

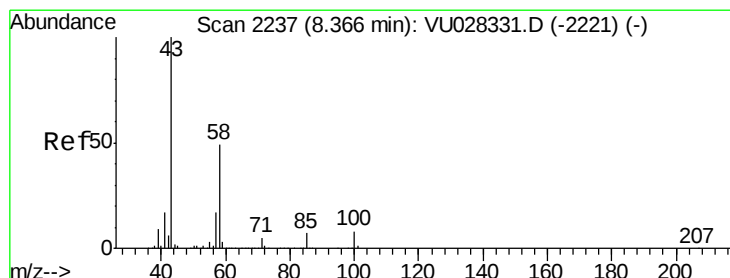
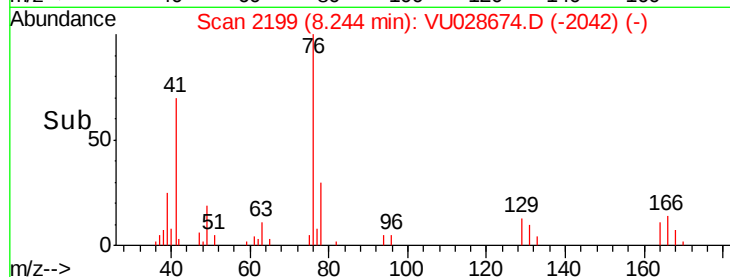
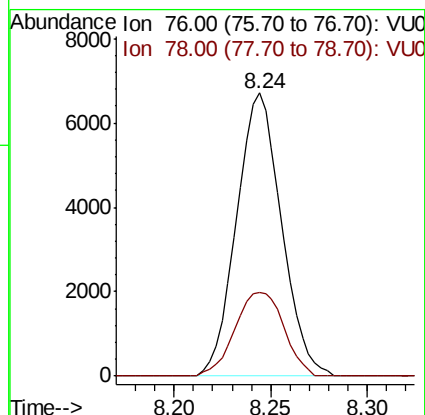
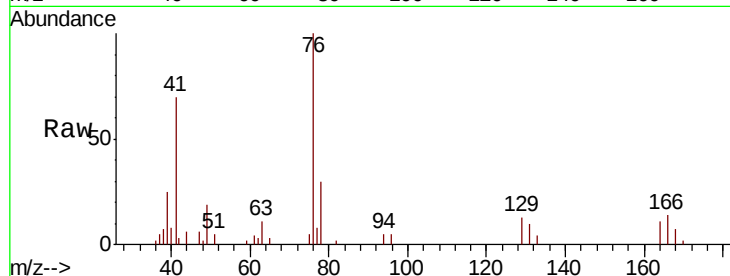
78 32.3 25.4 38.0

Manual Integrations

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#54

2-Hexanone

Concen: 9.122 ug/l

RT: 8.37 min Scan# 2239

Delta R.T. 0.01 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

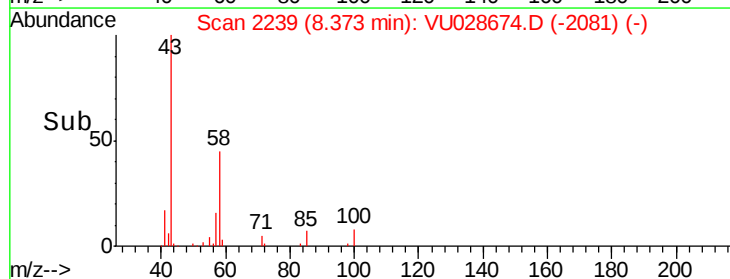
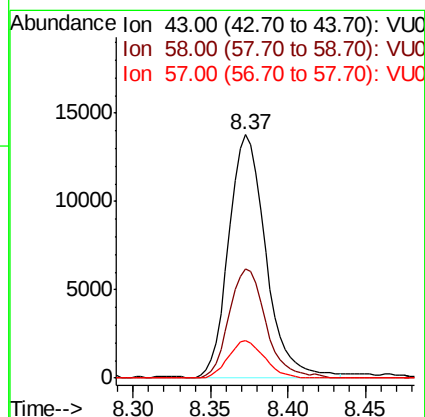
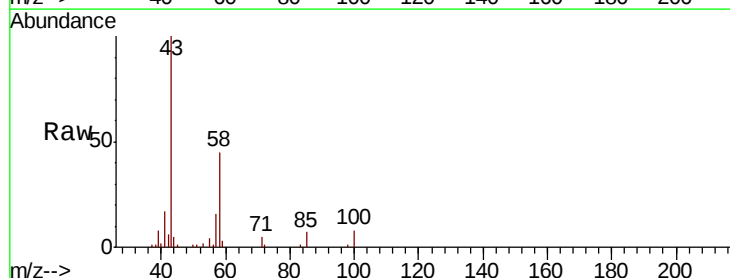
Tgt Ion: 43 Resp: 23038

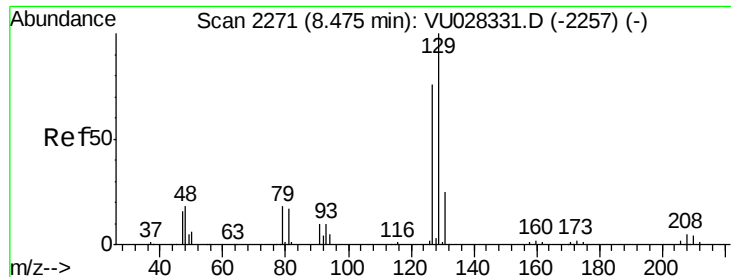
Ion Ratio Lower Upper

43 100

58 44.2 29.3 69.3

57 14.9 0.0 36.8





#55

Dibromochloromethane

Concen: 1.953 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

Tot Ion:129 Resp: 6374

Ion Ratio Lower Upper

129 100

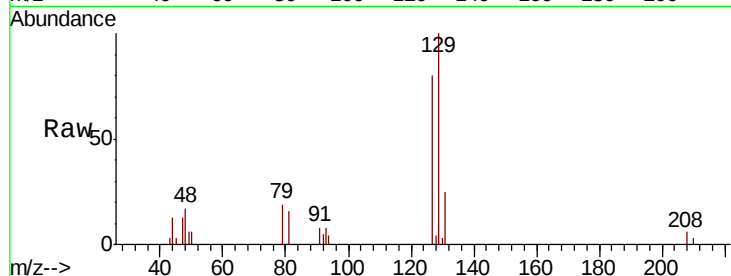
127 78.3 61.0 91.4

Manual Integrations

APPROVED

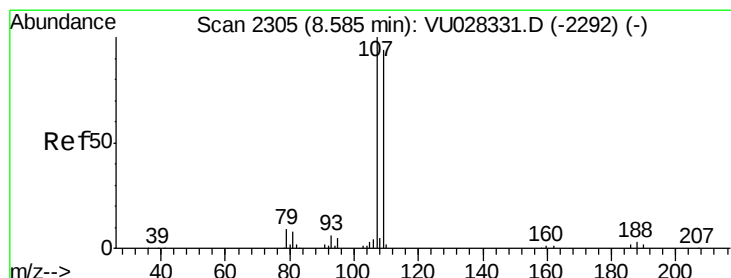
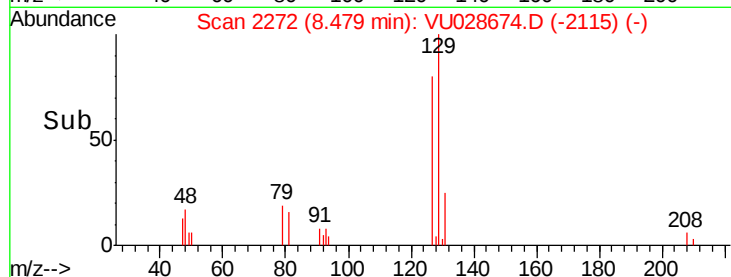
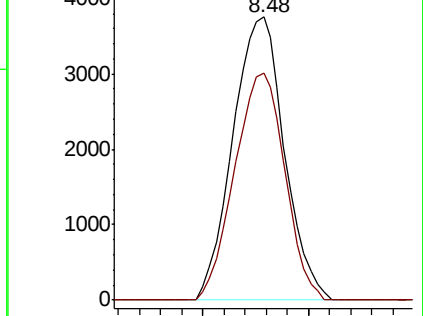
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.917 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028674.D

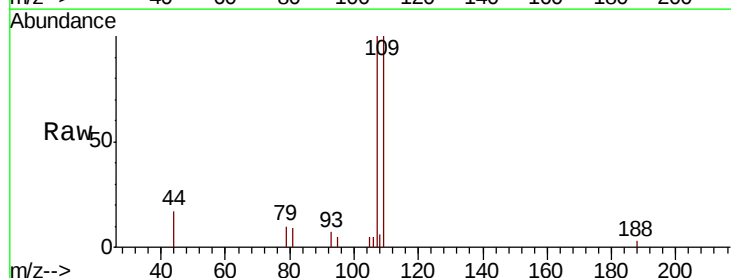
Acq: 13 Dec 2018 13:12

Tgt Ion:107 Resp: 5359

Ion Ratio Lower Upper

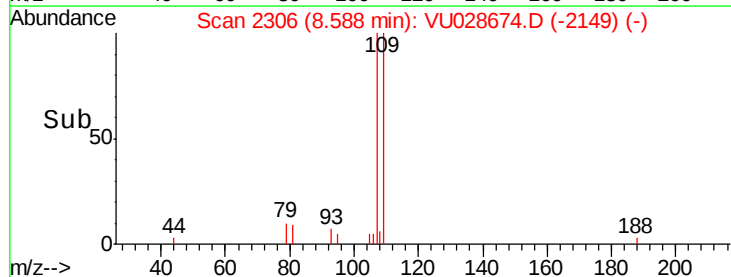
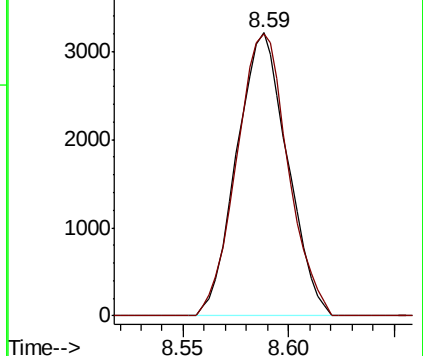
107 100

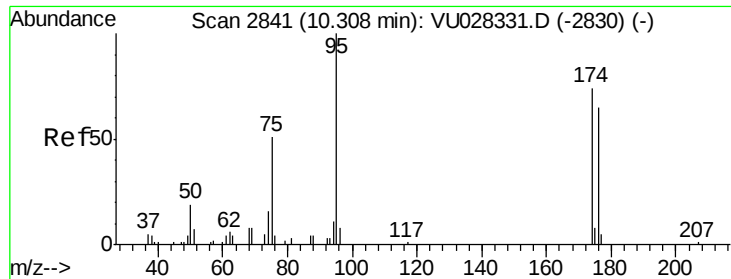
109 101.0 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





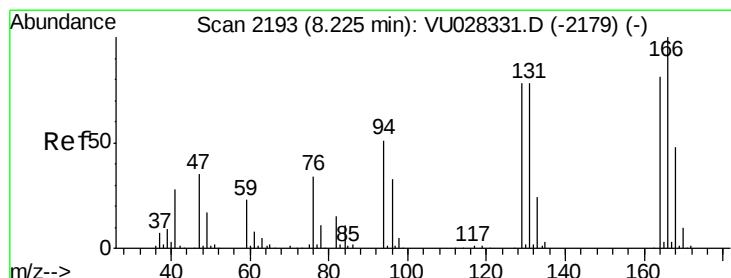
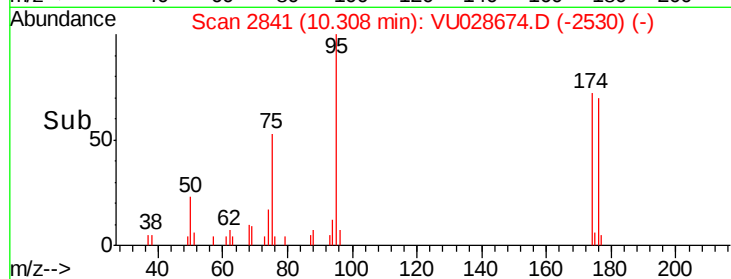
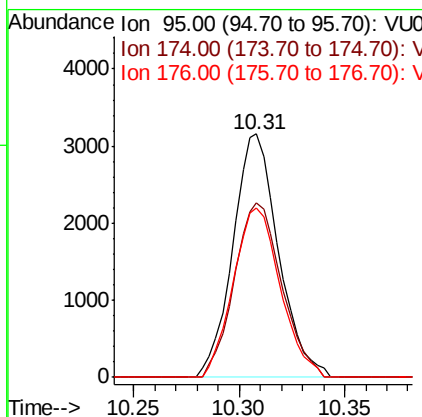
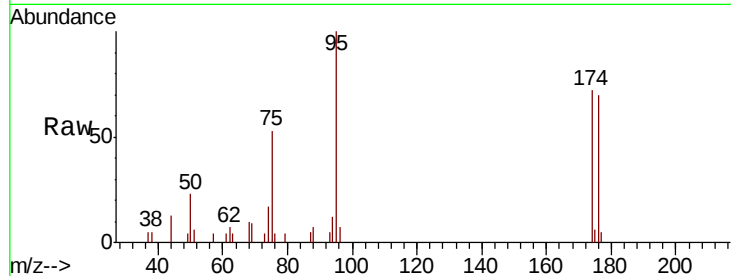
#57
4-Bromofluorobenzene
Concen: 1.917 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
95	100		
174	74.6	59.3	88.9
176	71.8	54.3	81.5

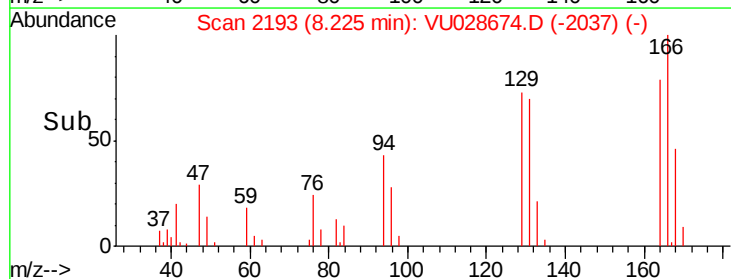
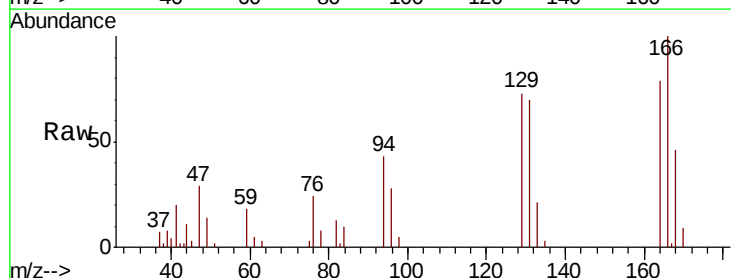
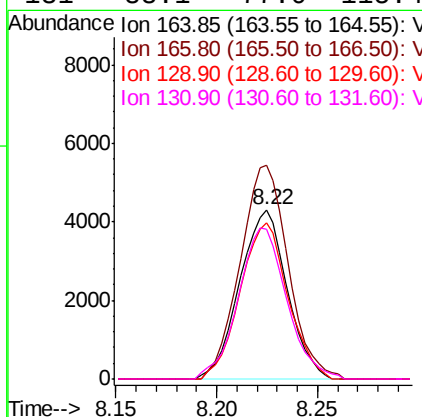
Manual Integrations
APPROVED

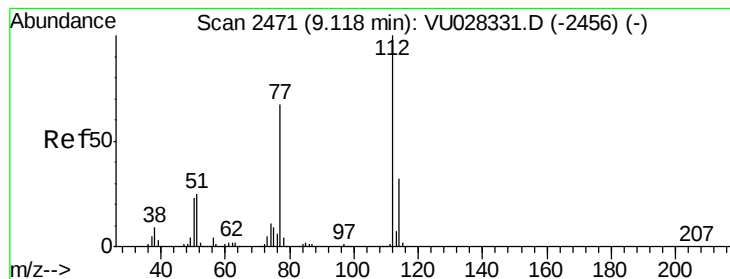
MMDadoda
12/14/2018 9:32:23 AM



#58
Tetrachloroethene
Concen: 1.972 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	98.6	148.0
129	92.0	77.0	115.4
131	88.1	77.0	115.4





#59

Chlorobenzene

Concen: 1.836 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

Tot Ion:112 Resp: 19106

Ion Ratio Lower Upper

112 100

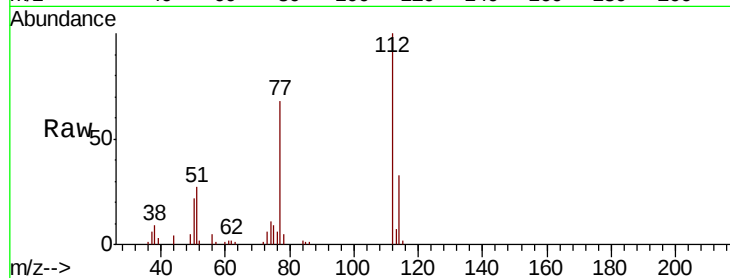
114 32.6 25.2 37.8

Manual Integrations

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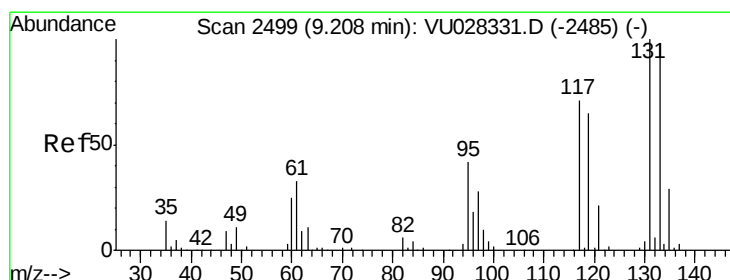
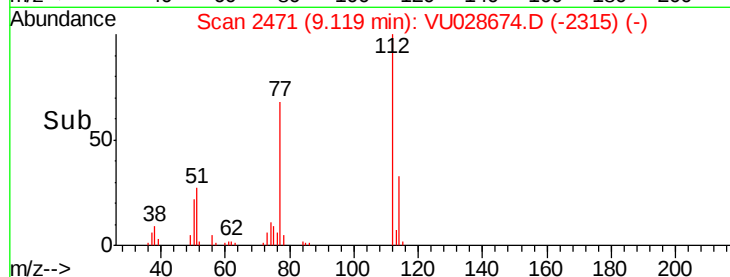
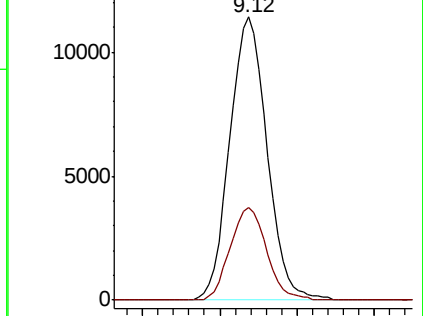
MMDadoda

12/14/2018 9:32:23 AM



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 1.970 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

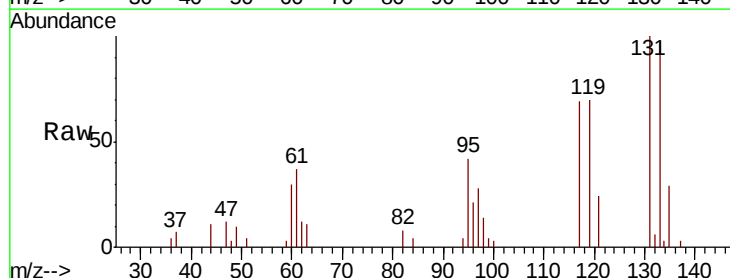
Tgt Ion:131 Resp: 6946

Ion Ratio Lower Upper

131 100

133 94.7 77.7 116.5

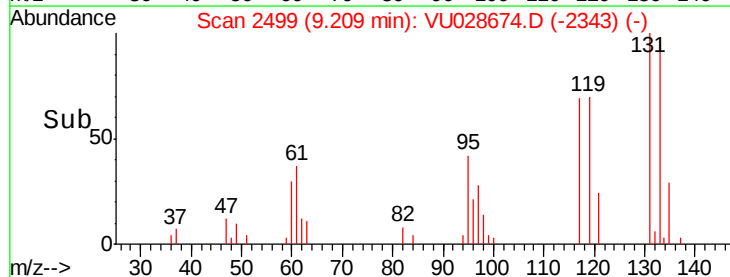
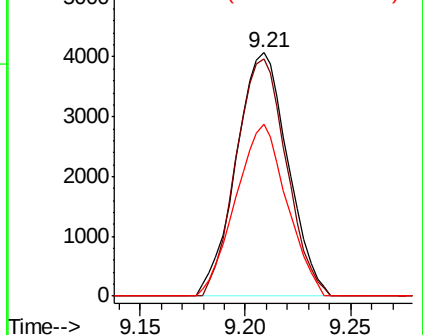
119 69.5 54.3 81.5

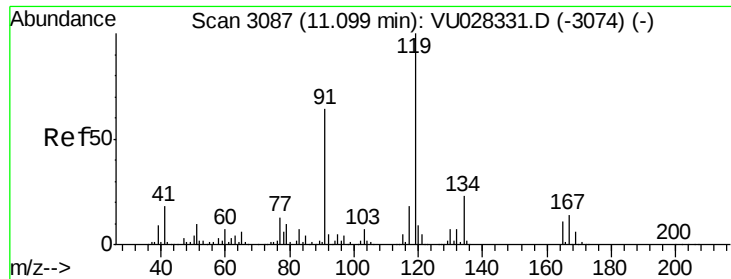


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





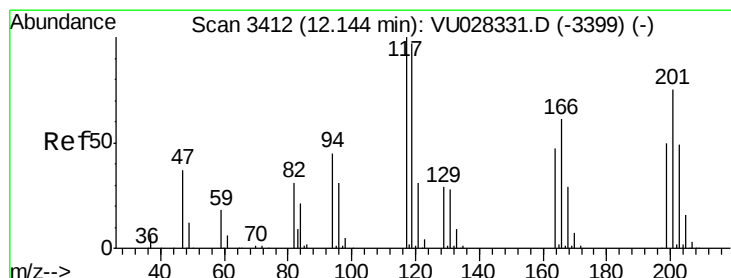
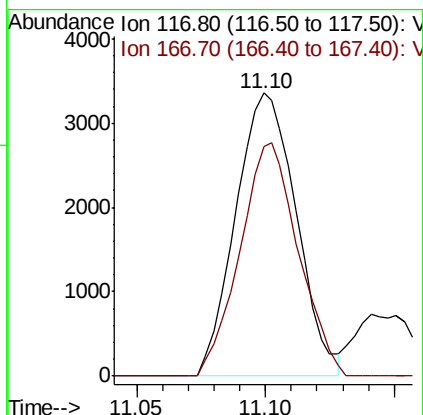
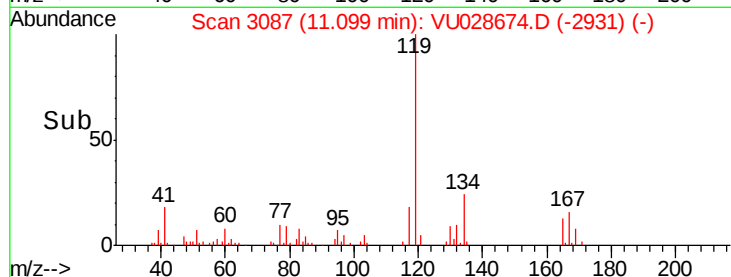
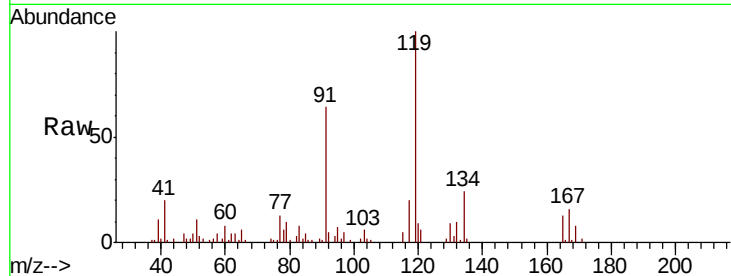
#61
 Pentachloroethane
 Concen: 2.003 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
167	79.3	64.2	96.2

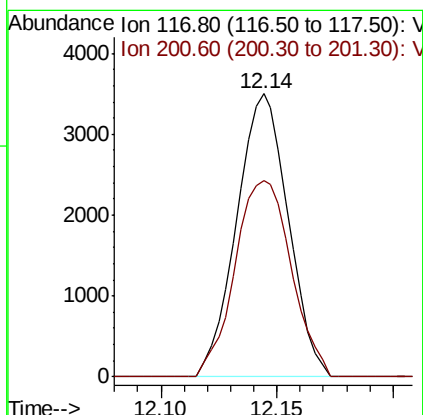
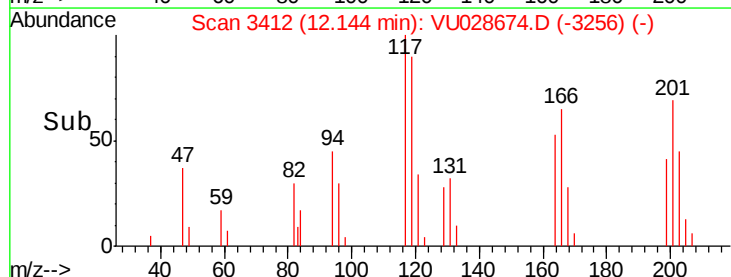
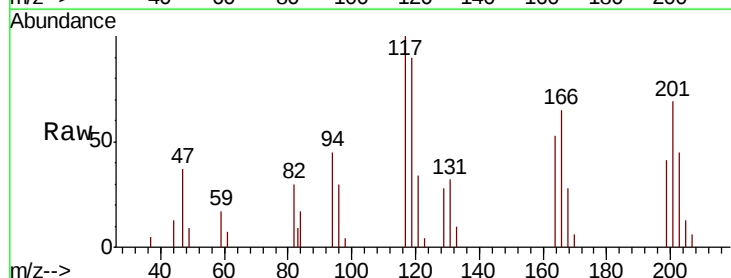
Manual Integrations
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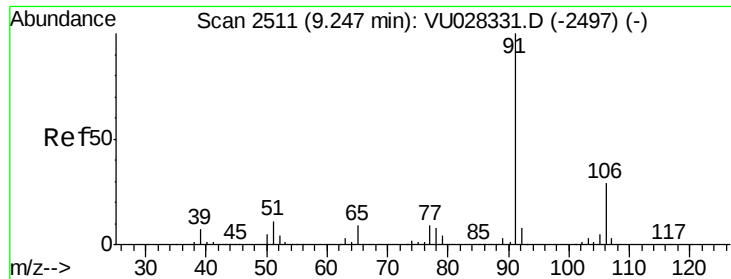
MMDadoda
 12/14/2018 9:32:23 AM



#62
 Hexachloroethane
 Concen: 2.102 ug/l
 RT: 12.14 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.8	59.4	89.2





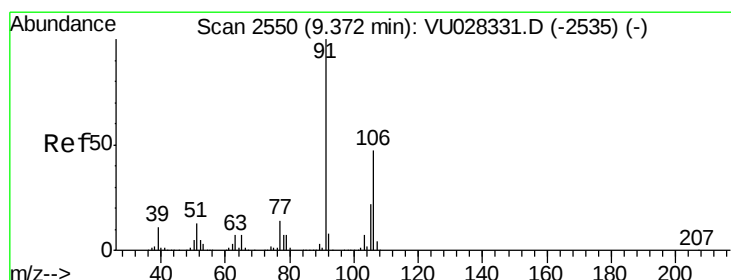
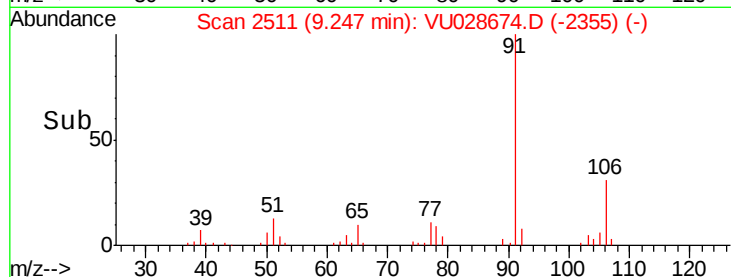
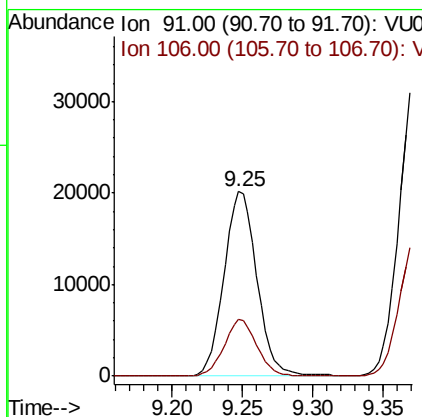
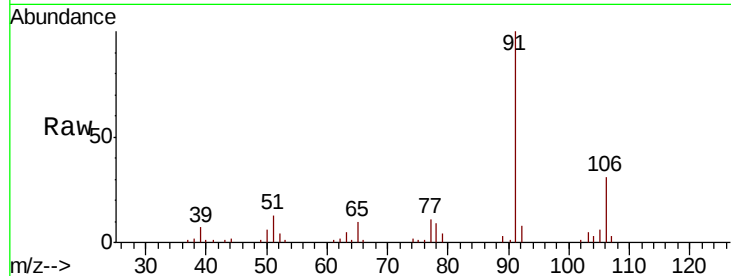
#63
Ethyl Benzene
Concen: 1.712 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion: 91 Resp: 32877
Ion Ratio Lower Upper
91 100
106 30.6 23.4 35.2

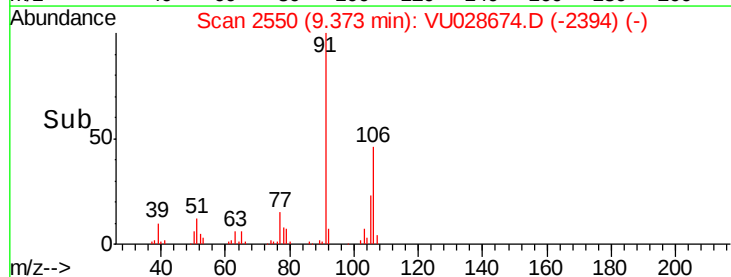
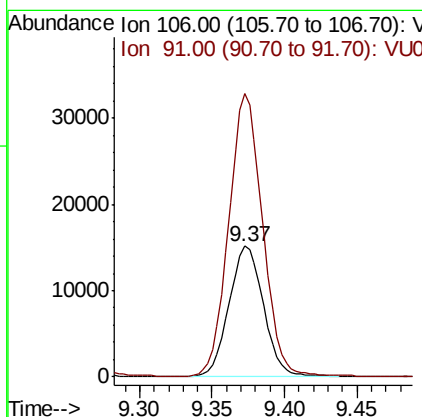
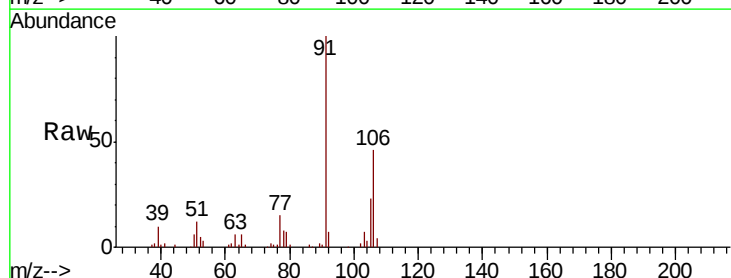
Manual Integrations
APPROVED

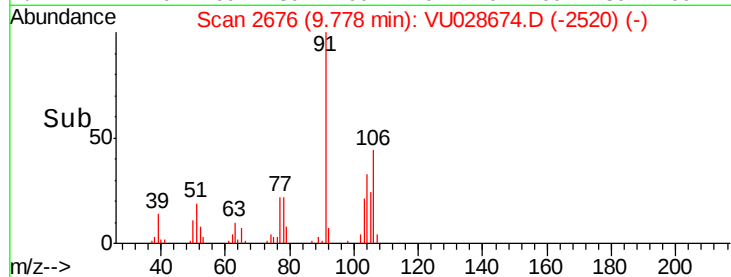
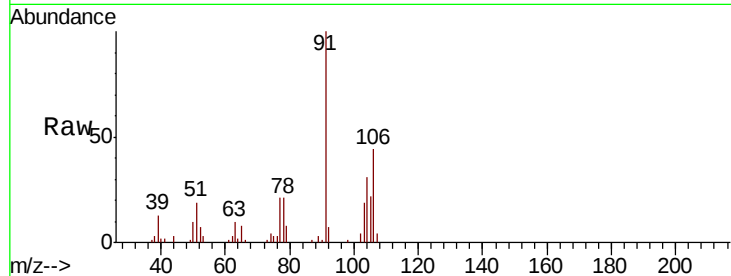
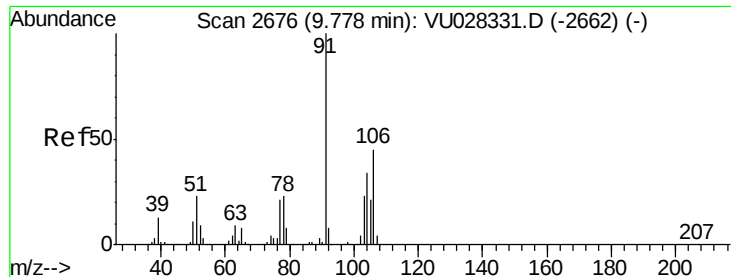
MMDadoda
12/14/2018 9:32:23 AM



#64
m/p-Xylenes
Concen: 3.613 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion: 106 Resp: 25103
Ion Ratio Lower Upper
106 100
91 212.3 170.6 256.0





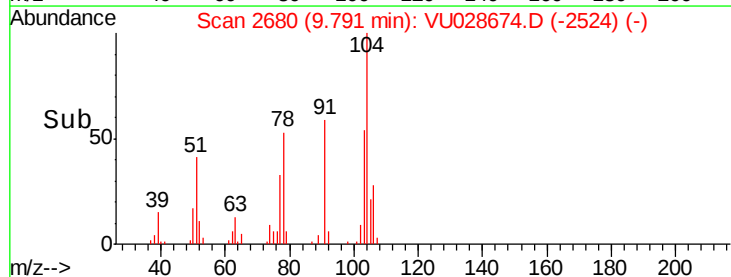
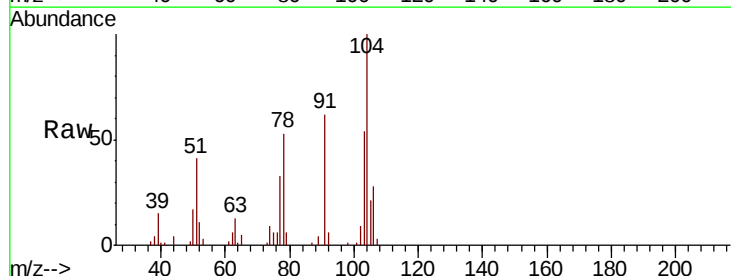
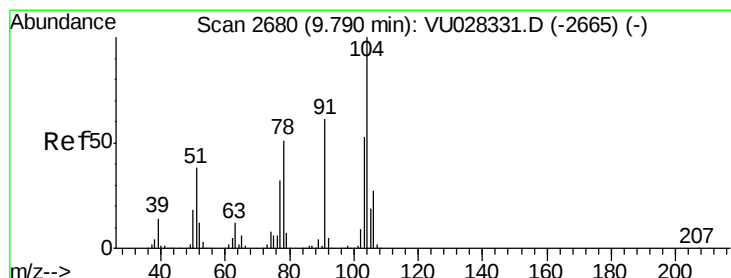
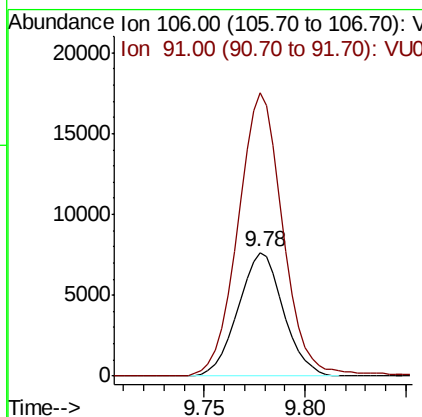
#65
o-Xylene
Concen: 1.792 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tot Ion:106 Resp: 12013
Ion Ratio Lower Upper
106 100
91 227.7 112.3 337.0

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

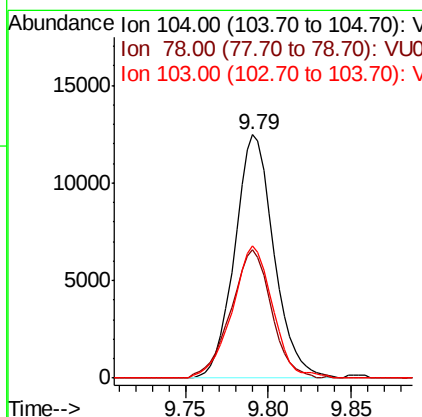
Manual Integrations
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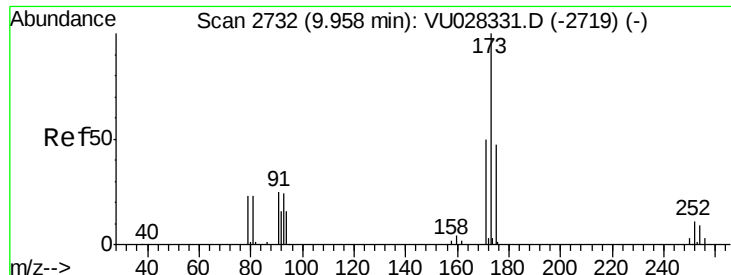
MMDadoda
12/14/2018 9:32:23 AM



#66
Styrene
Concen: 1.786 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion:104 Resp: 20543
Ion Ratio Lower Upper
104 100
78 54.3 44.0 66.0
103 56.1 45.2 67.8





#67

Bromoform

Concen: 1.909 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

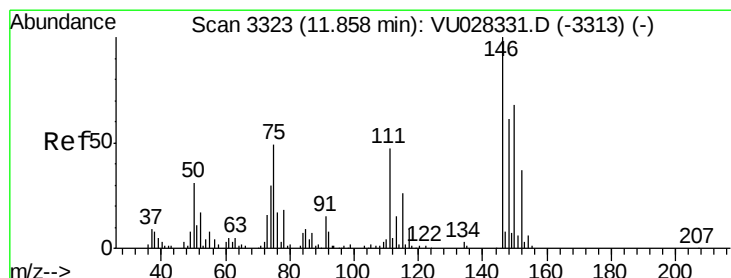
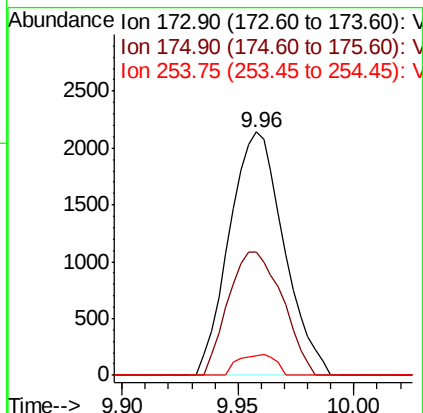
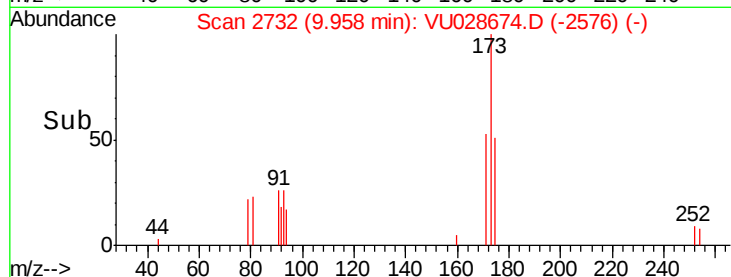
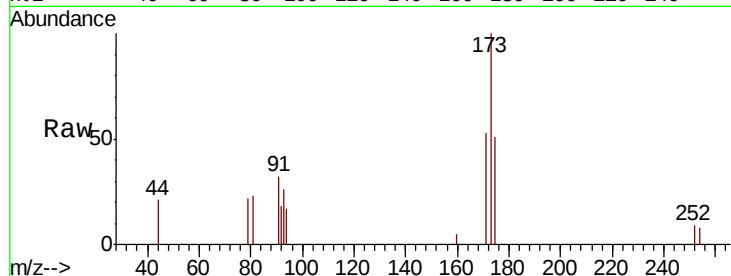
ClientSampleId :

VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	39.0	58.6
254	5.9	6.8	10.2

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#68

1,2-Dichlorobenzene-d4

Concen: 1.909 ug/l

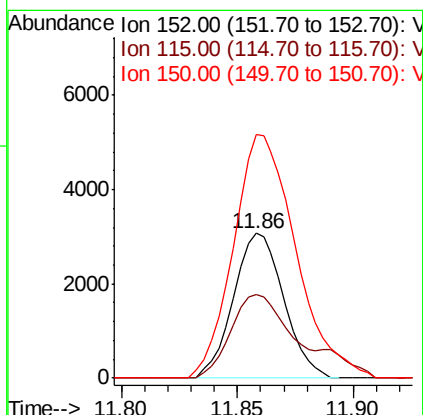
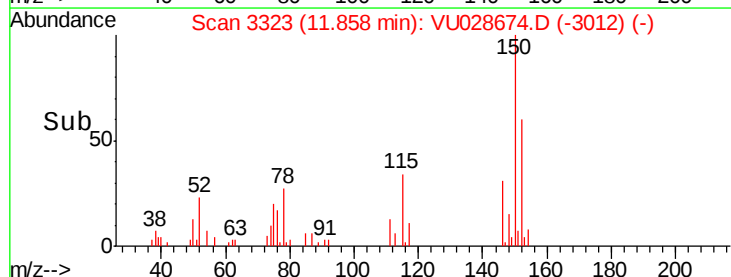
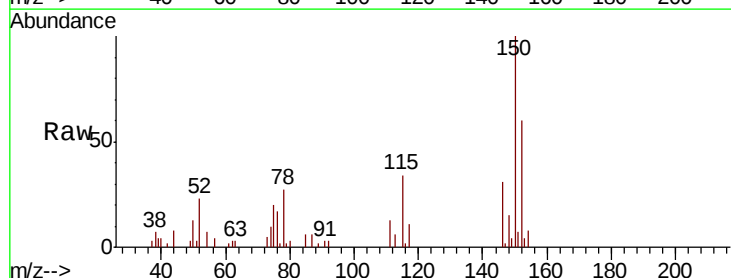
RT: 11.86 min Scan# 3323

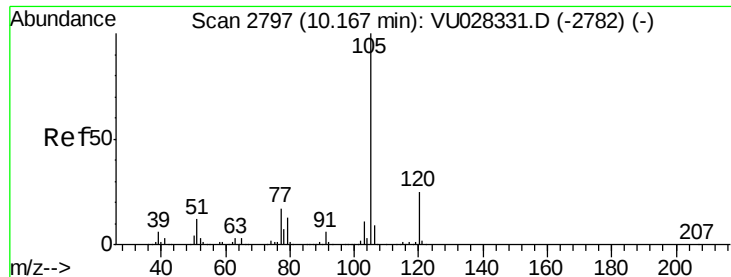
Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.0	0.0	146.8
150	209.5	0.0	653.2





#69

Isopropylbenzene

Concen: 1.750 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

Tot Ion:105 Resp: 31426

Ion Ratio Lower Upper

105 100

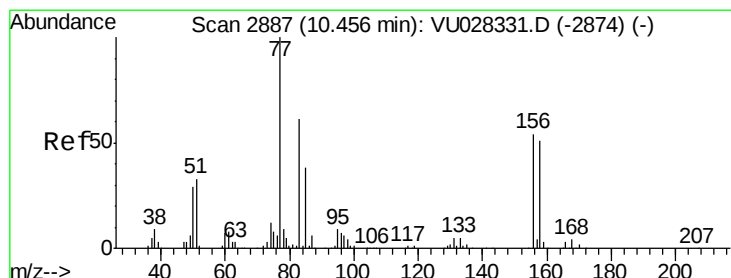
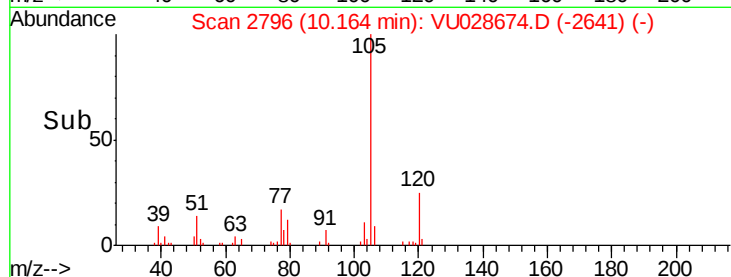
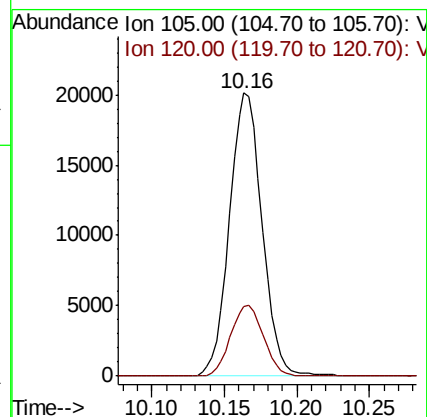
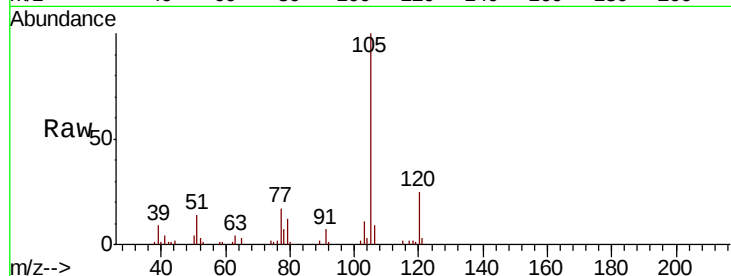
120 25.0 12.6 37.6

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 2.003 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

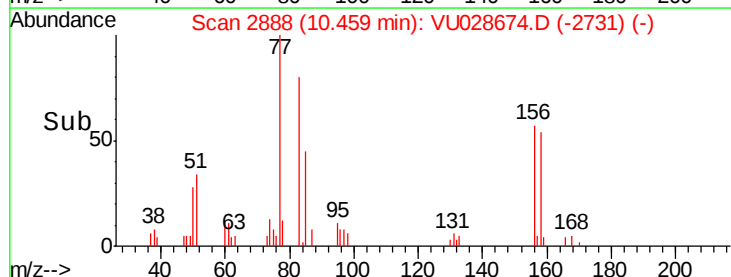
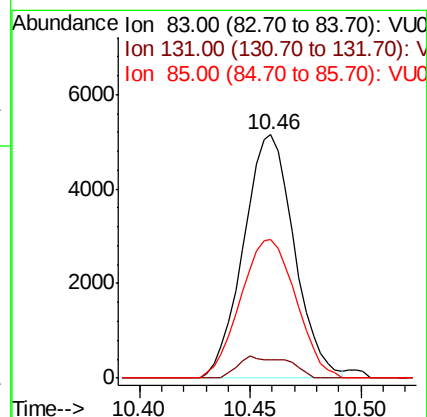
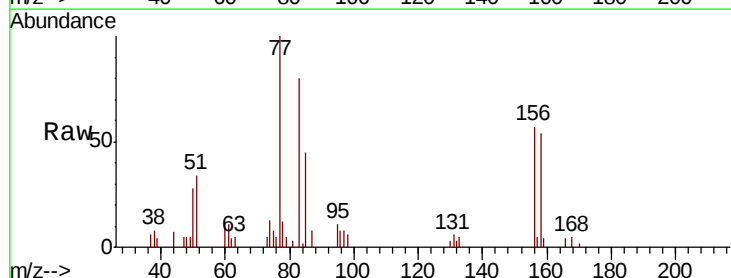
Tgt Ion: 83 Resp: 8245

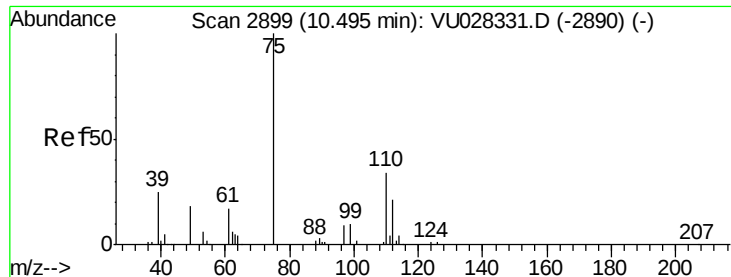
Ion Ratio Lower Upper

83 100

131 8.9 6.6 9.8

85 62.1 50.5 75.7





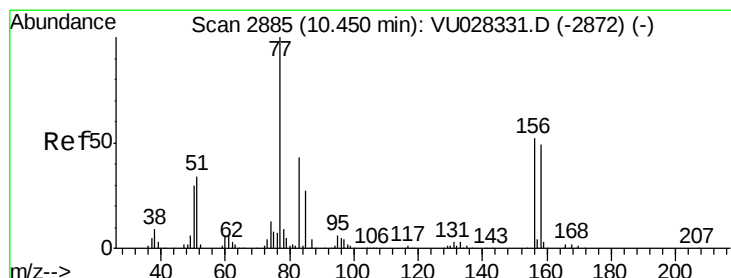
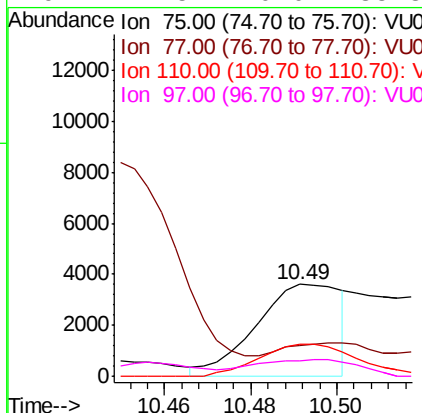
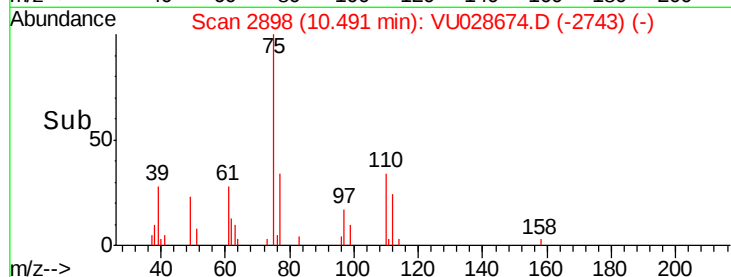
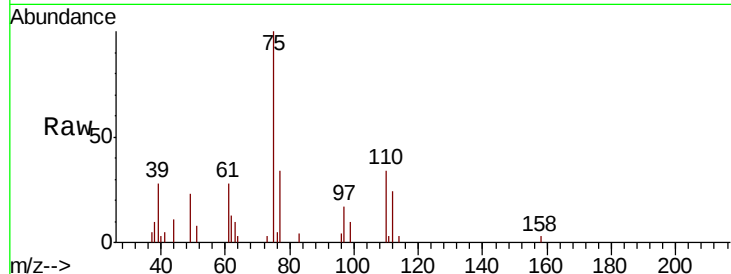
#71
1,2,3-Trichloropropane
Concen: 1.731 ug/l m
RT: 10.49 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	16.8	0.0	0.0#
110	40.1	0.0	67.6
97	22.5	0.0	35.8

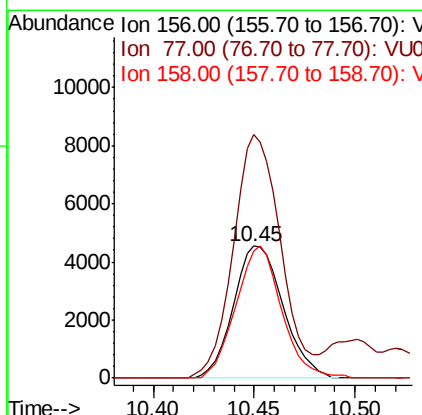
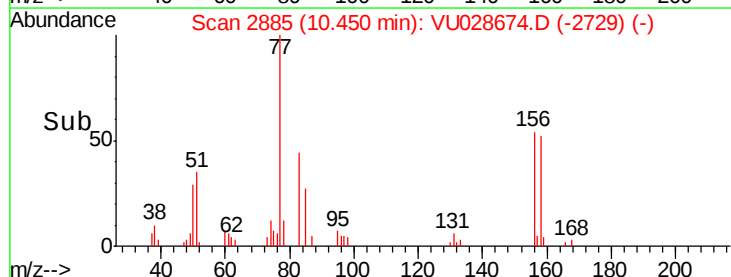
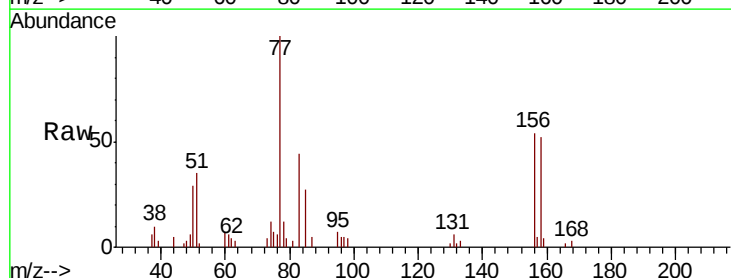
Manual Integrations
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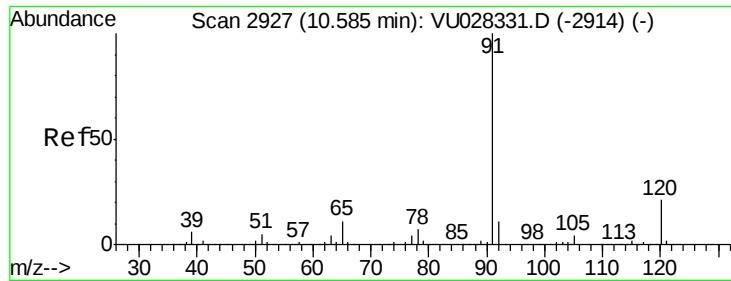
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#72
Bromobenzene
Concen: 1.966 ug/l
RT: 10.45 min Scan# 2885
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
156	100		
77	176.4	0.0	380.4
158	92.2	0.0	191.2





#73

n-propylbenzene

Concen: 1.801 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

Tot Ion:120 Resp: 8384

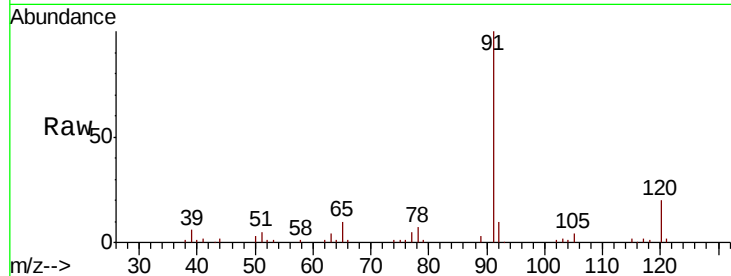
Ion Ratio Lower Upper

120 100

91 483.9 388.1 582.1

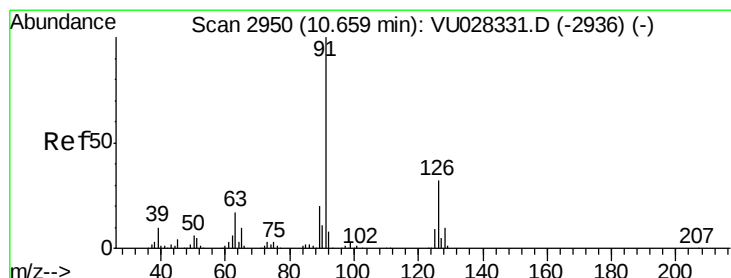
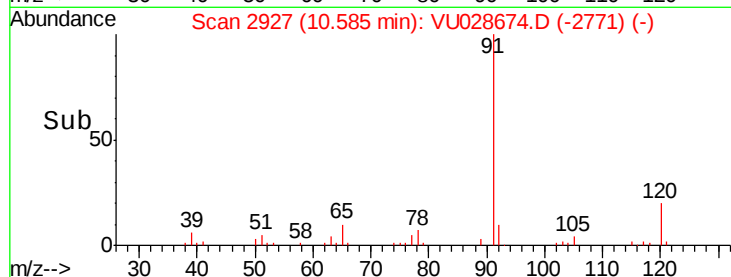
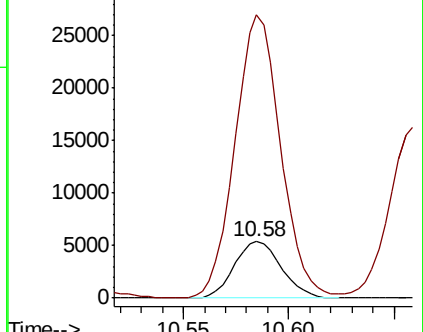
Manual Integrations
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 2.041 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028674.D

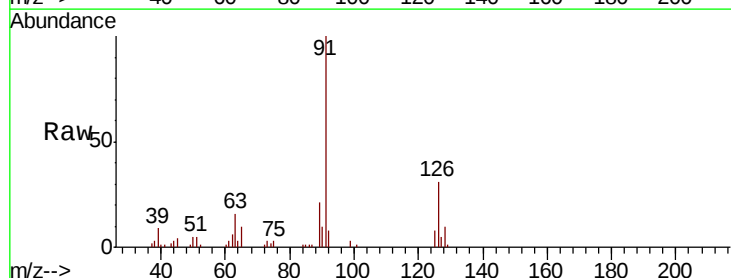
Acq: 13 Dec 2018 13:12

Tgt Ion:126 Resp: 8325

Ion Ratio Lower Upper

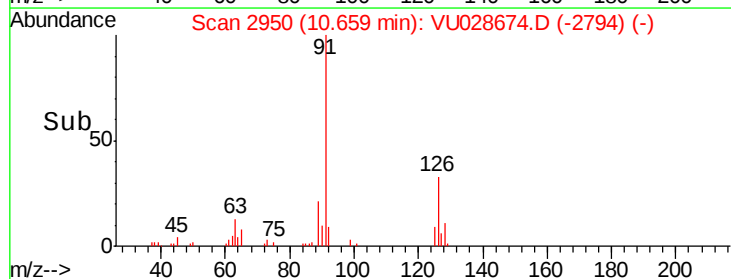
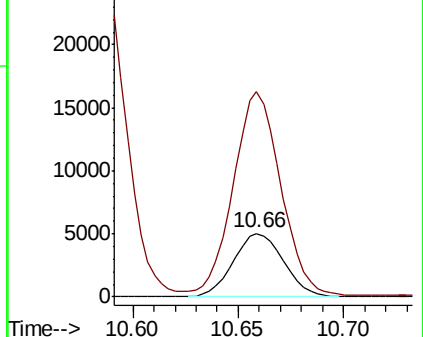
126 100

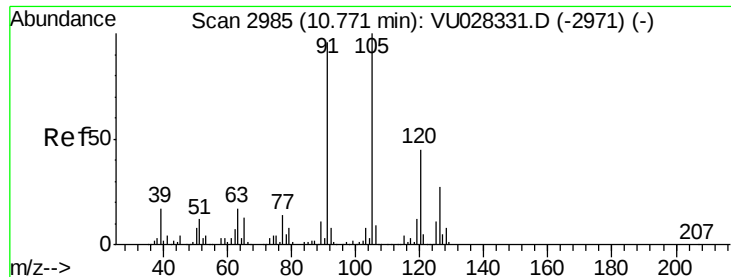
91 305.8 0.0 661.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.814 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

Tot Ion:105 Resp: 27411

Ion Ratio Lower Upper

105 100

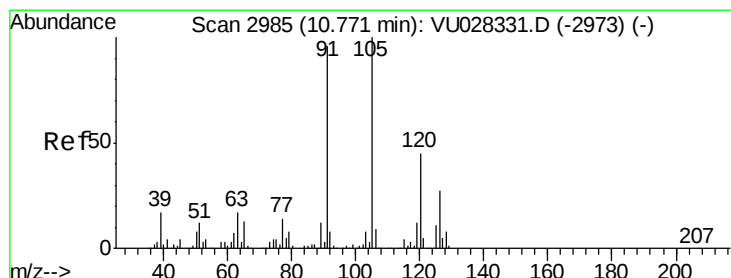
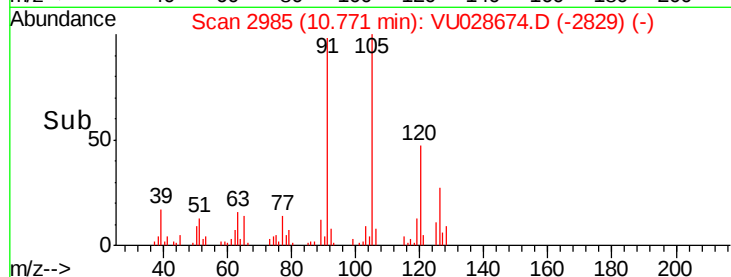
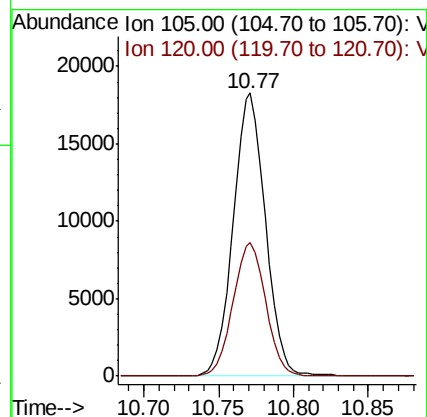
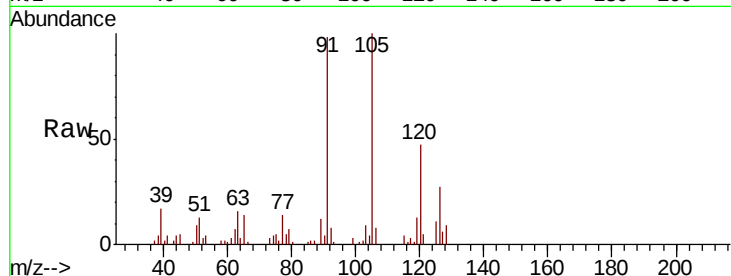
120 47.7 36.3 54.5

Manual Integrations

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12/14/2018 9:32:23 AM



#76

4-Chlorotoluene

Concen: 1.945 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028674.D

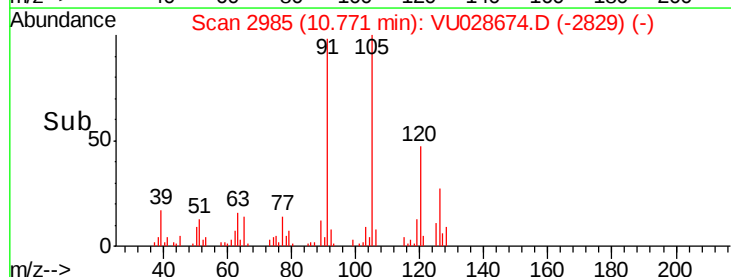
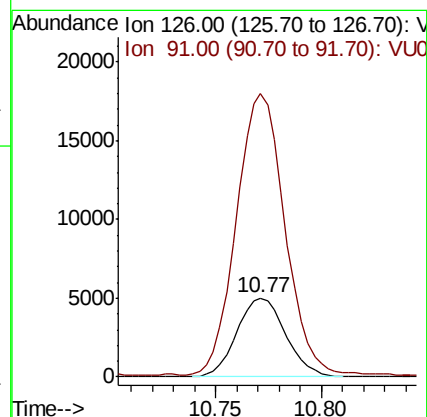
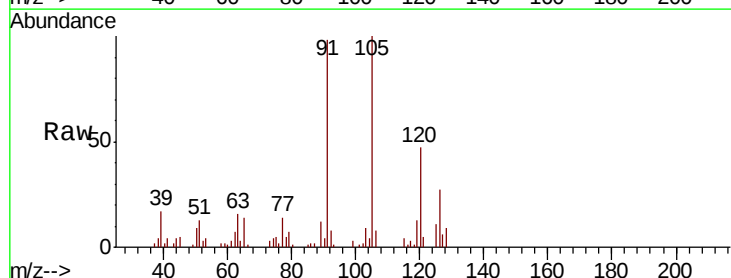
Acq: 13 Dec 2018 13:12

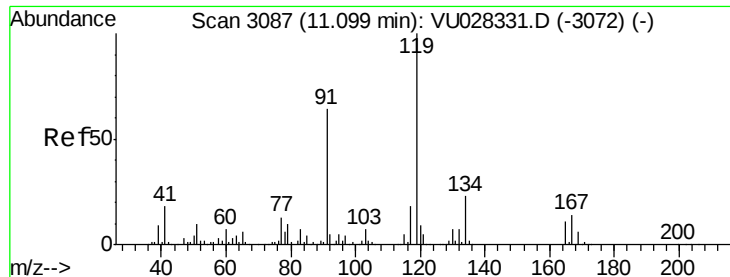
Tgt Ion:126 Resp: 8046

Ion Ratio Lower Upper

126 100

91 351.8 0.0 731.2





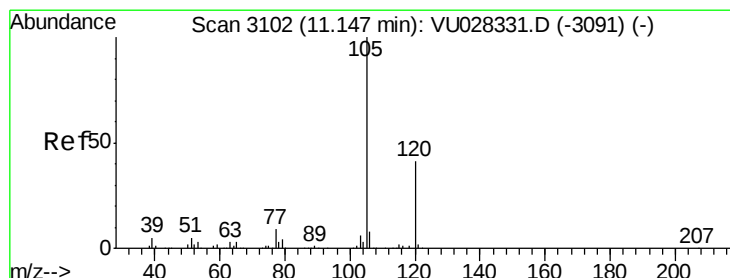
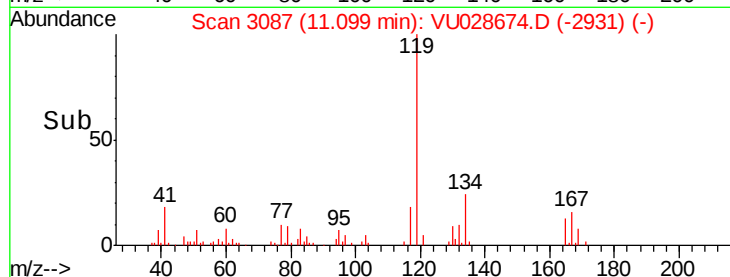
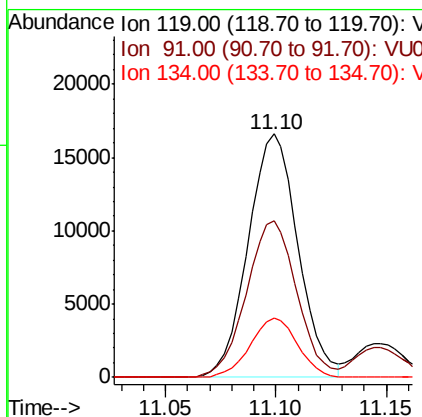
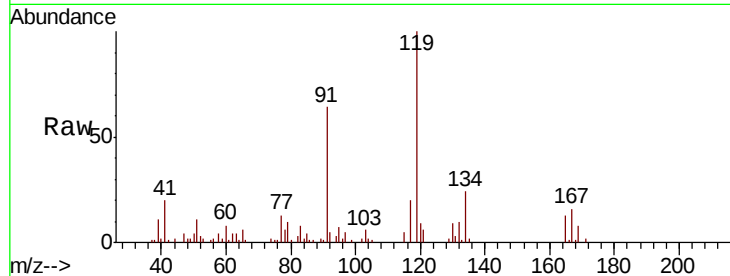
#77
tert-Butylbenzene
Concen: 1.834 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.0	96.0
134	23.0	17.9	26.9

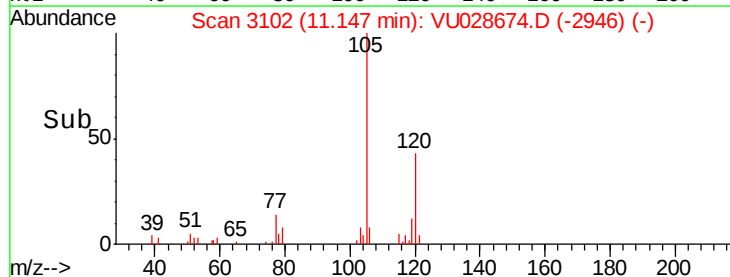
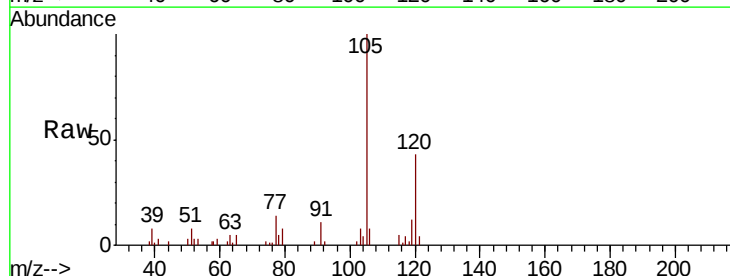
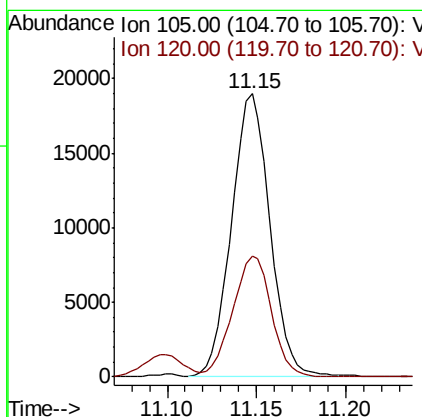
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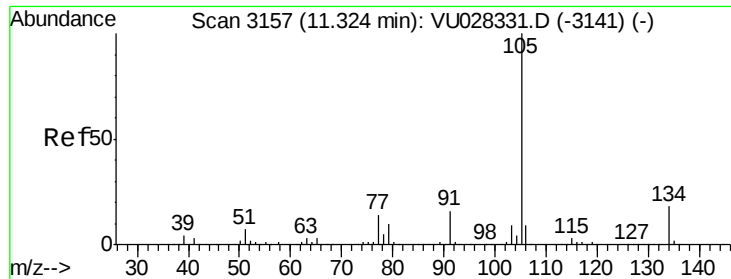
MMDadoda
12/14/2018 9:32:23 AM



#78
1,2,4-Trimethylbenzene
Concen: 1.847 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.9	65.8





#79

sec-Butylbenzene

Concen: 1.817 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

Tot Ion: 105 Resp: 36023

Ion Ratio Lower Upper

105 100

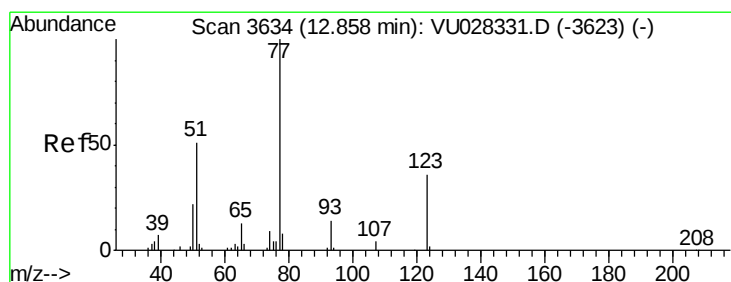
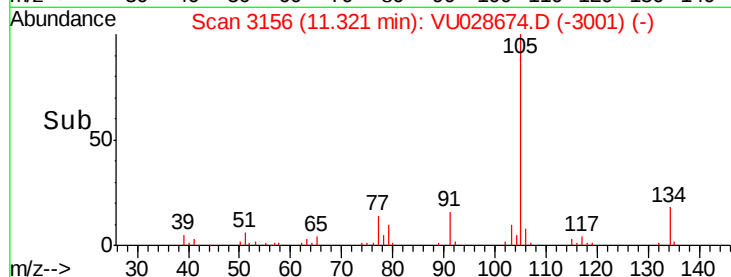
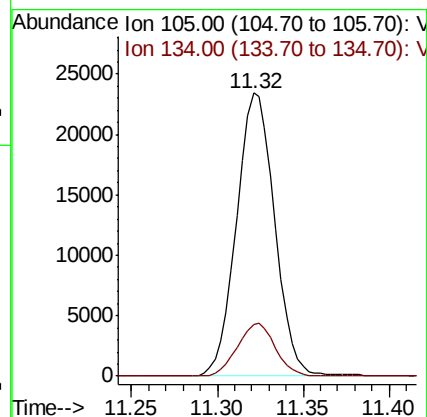
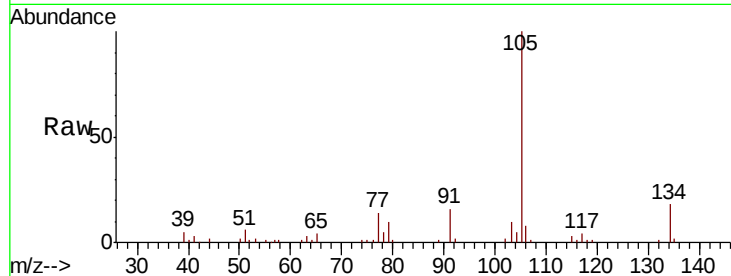
134 18.4 14.6 22.0

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#80

Nitrobenzene

Concen: 8.742 ug/l

RT: 12.86 min Scan# 3636

Delta R.T. 0.01 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

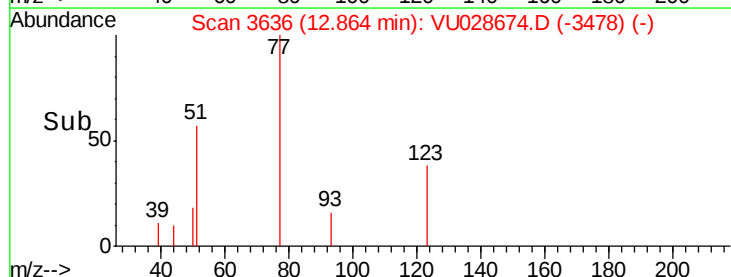
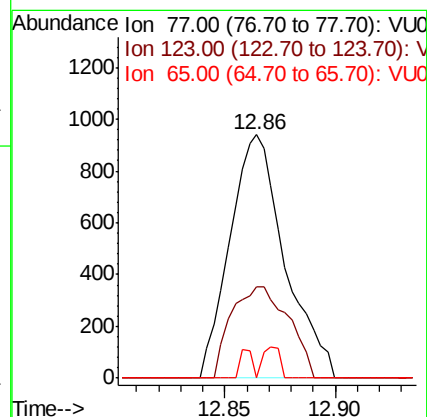
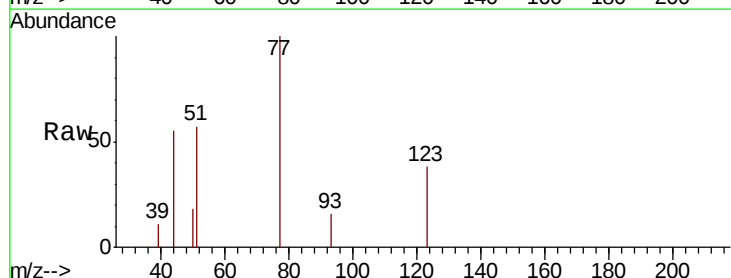
Tgt Ion: 77 Resp: 1621

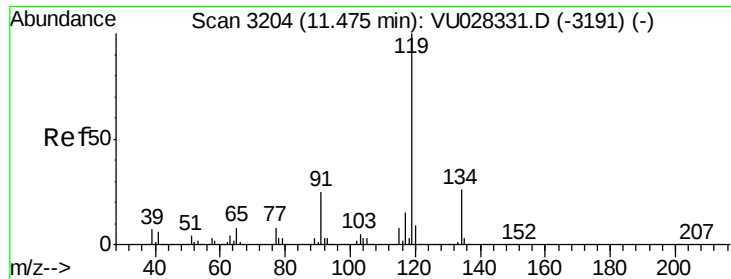
Ion Ratio Lower Upper

77 100

123 39.1 16.5 58.3

65 4.0 12.1 15.3#





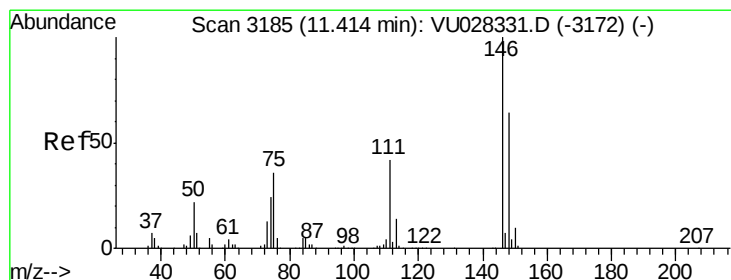
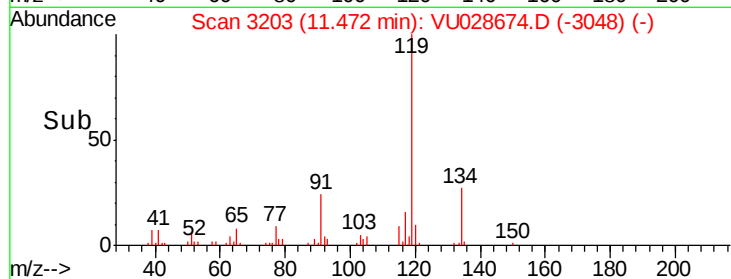
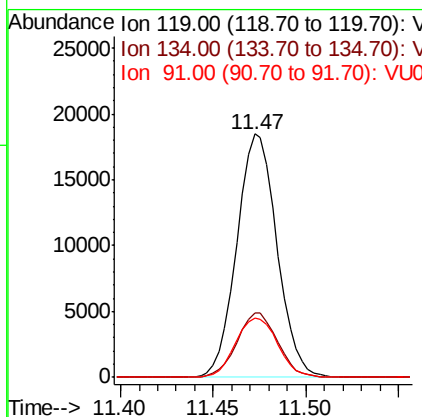
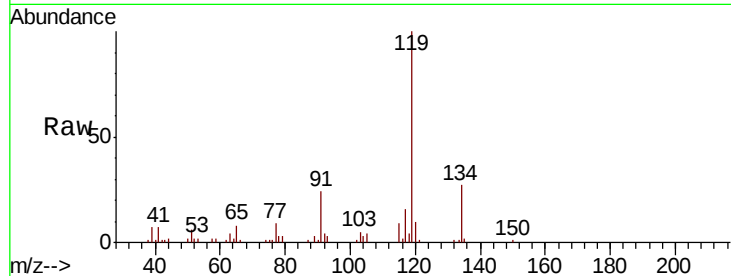
#81
p-Isopropyltoluene
Concen: 1.761 ug/l
RT: 11.47 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	20.3	30.5
91	25.6	20.0	30.0

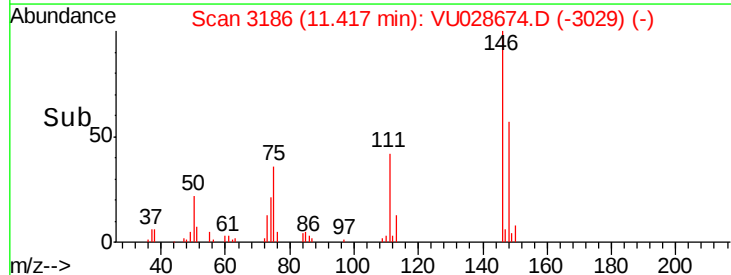
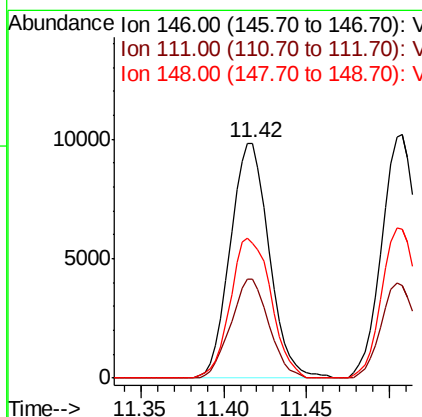
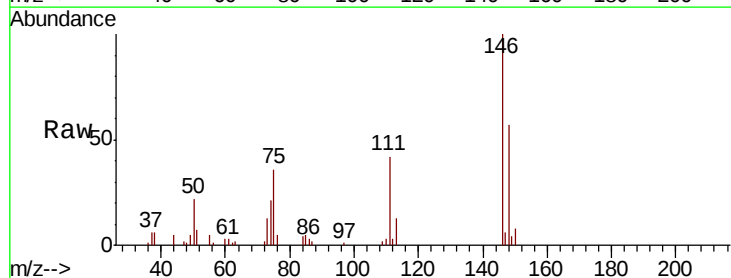
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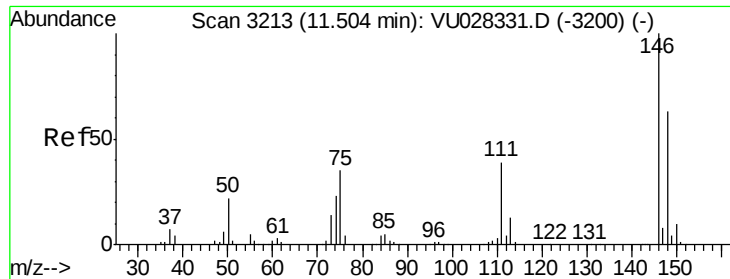
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#82
1,3-Dichlorobenzene
Concen: 2.009 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	33.4	50.2
148	62.1	51.2	76.8





#83

1,4-Dichlorobenzene

Concen: 2.011 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

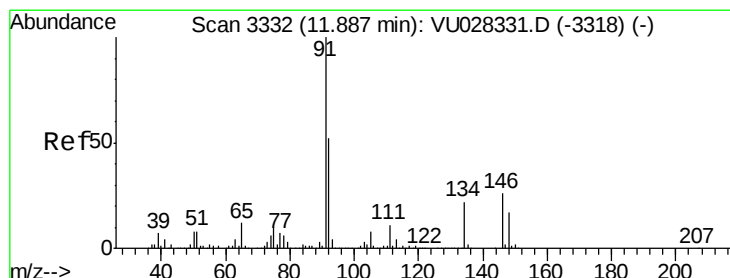
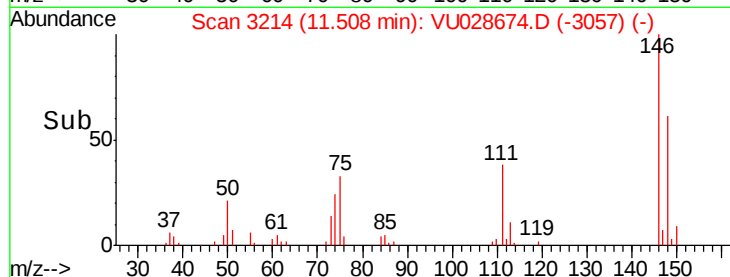
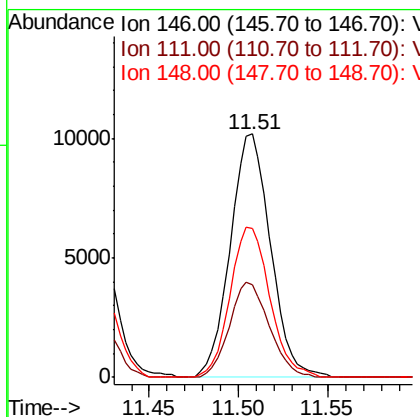
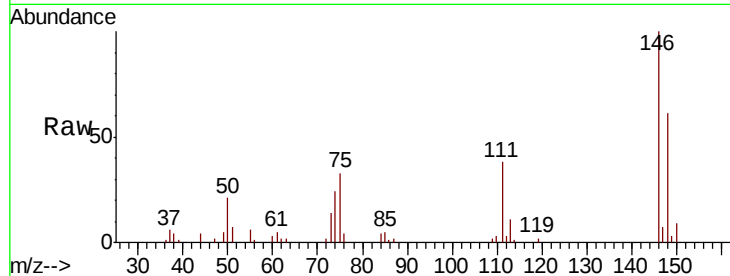
ClientSampled :

VU1214WBSD01

Tot Ion:	146	Resp:	15976
Ion Ratio	Lower	Upper	
146	100		
111	38.6	31.4	47.2
148	61.0	50.7	76.1

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#84

n-Butylbenzene

Concen: 1.728 ug/l

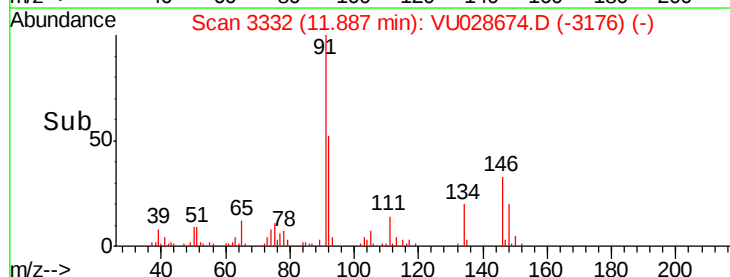
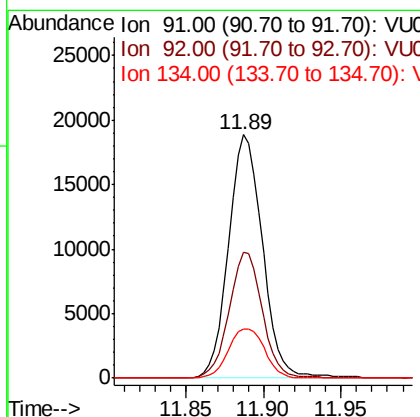
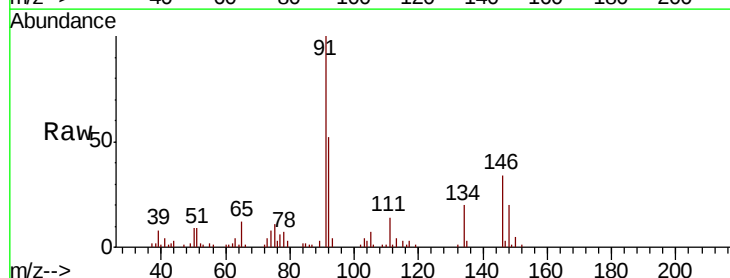
RT: 11.89 min Scan# 3332

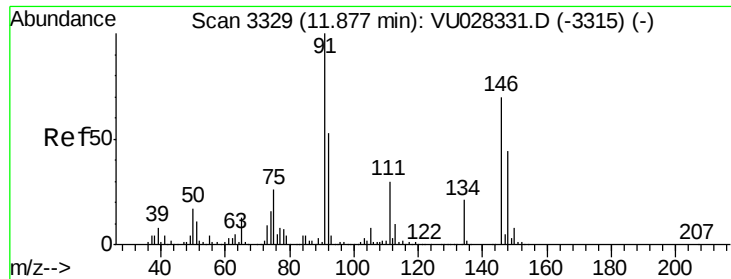
Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Tgt Ion:	91	Resp:	28593
Ion Ratio	Lower	Upper	
91	100		
92	50.6	41.6	62.4
134	21.7	17.8	26.6





#85

1,2-Dichlorobenzene

Concen: 1.991 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

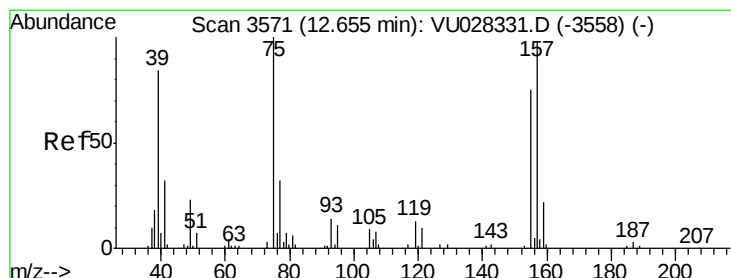
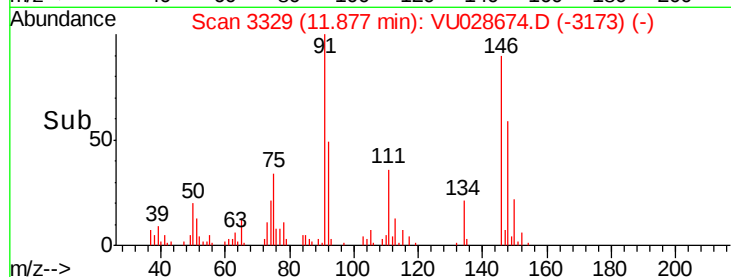
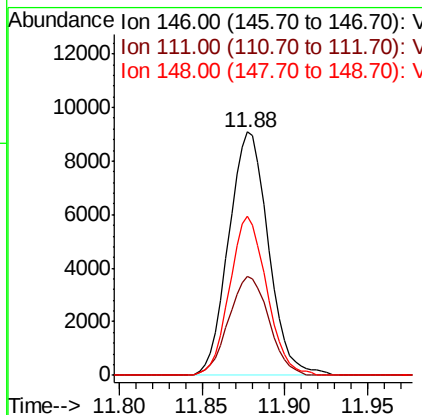
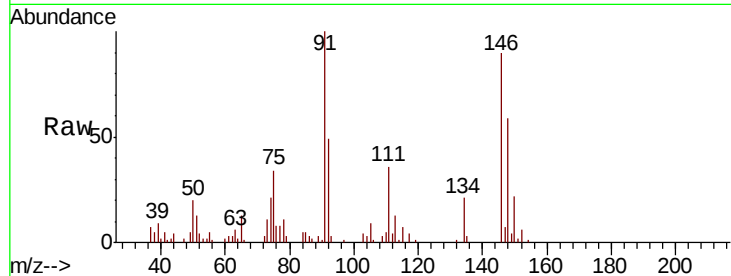
ClientSampleId :

VU1214WBSD01

Tot Ion:	146	Resp:	15127
Ion Ratio	Lower	Upper	
146	100		
111	40.9	21.4	64.3
148	61.0	31.4	94.2

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#86

1,2-Dibromo-3-Chloropropane

Concen: 2.024 ug/l

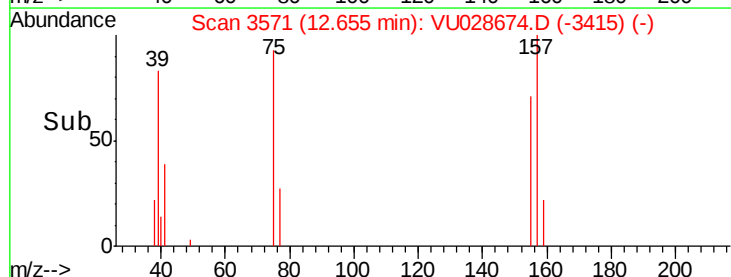
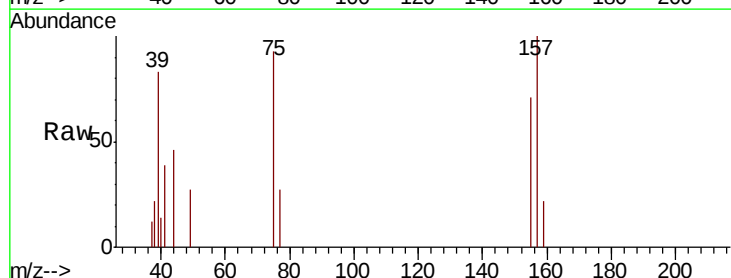
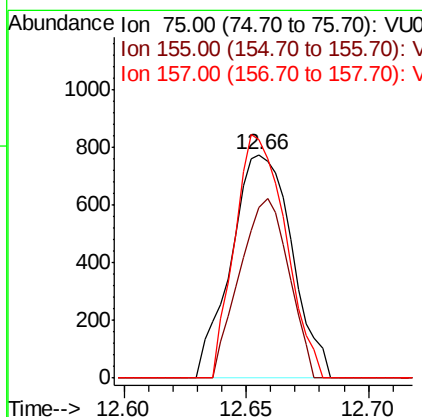
RT: 12.66 min Scan# 3571

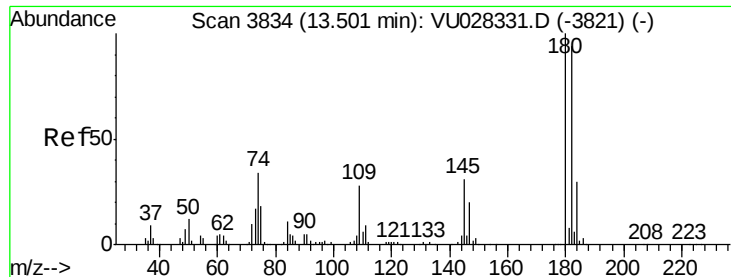
Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Tgt Ion:	75	Resp:	1340
Ion Ratio	Lower	Upper	
75	100		
155	65.1	57.0	85.4
157	90.7	75.4	113.2





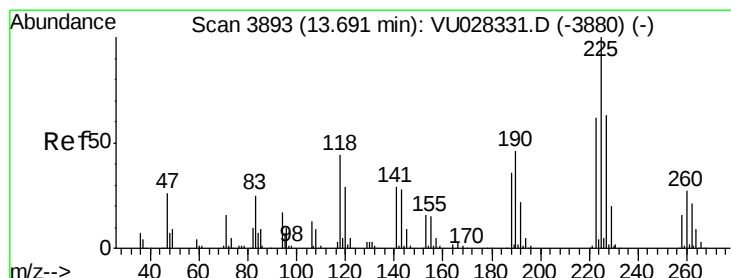
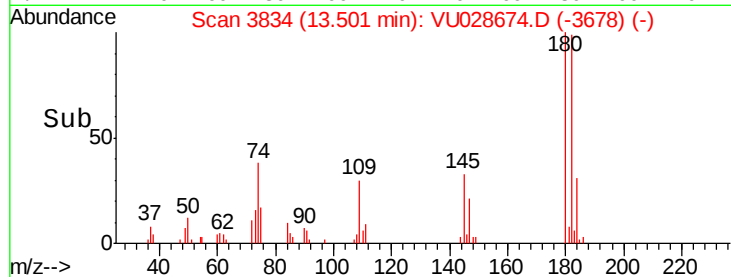
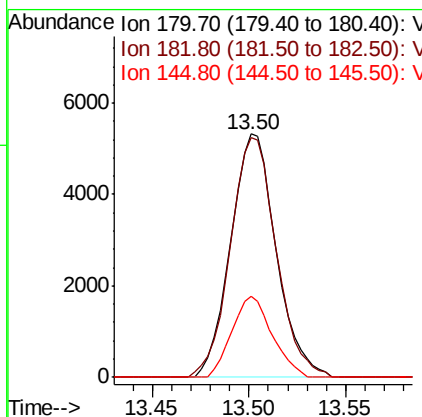
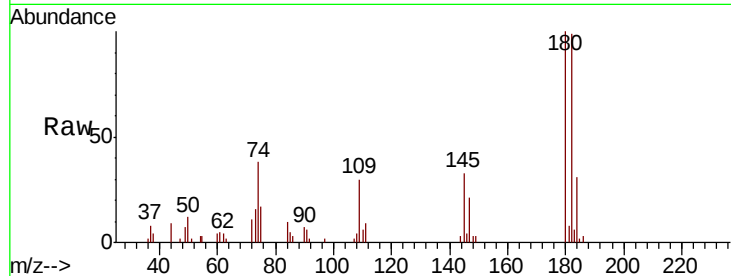
#87
 1,2,4-Trichlorobenzene
 Concen: 1.628 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.1	75.6	113.4
145	29.2	24.4	36.6

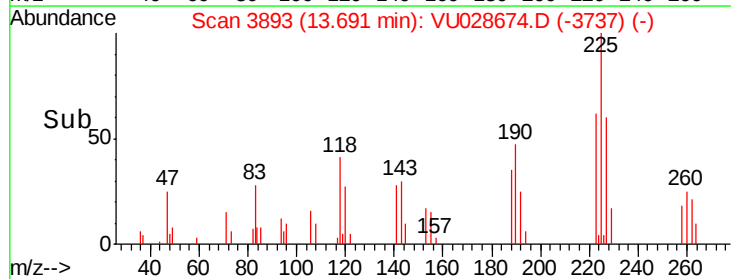
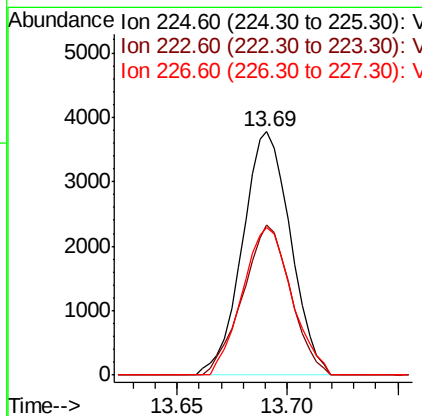
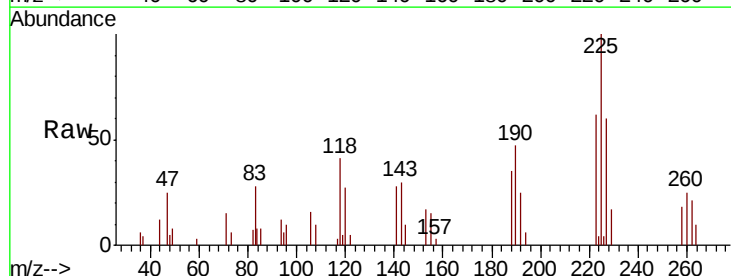
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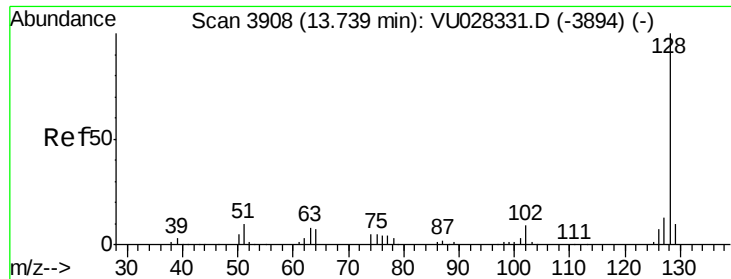
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 12/14/2018 9:32:23 AM



#88
 Hexachlorobutadiene
 Concen: 1.982 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	50.6	76.0
227	62.1	50.8	76.2





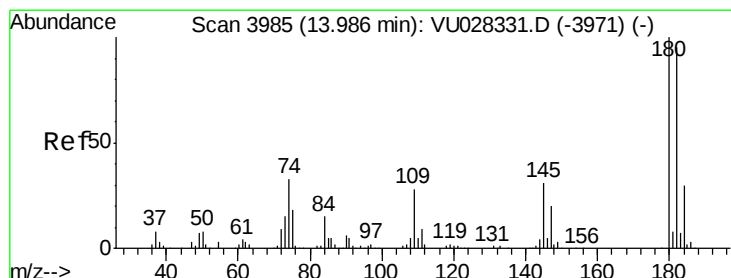
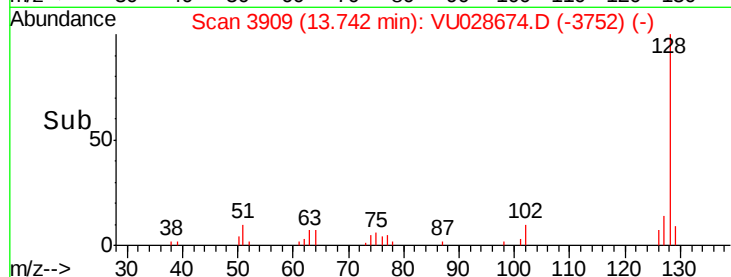
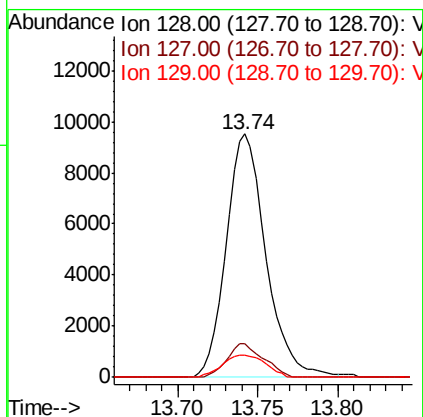
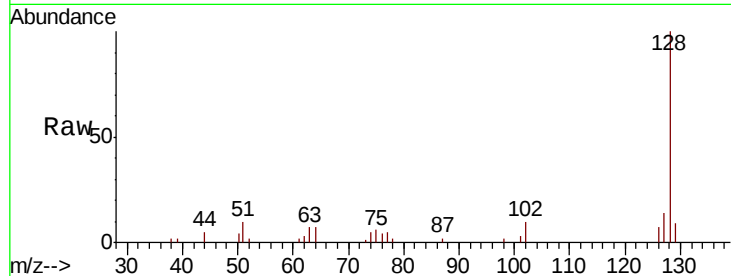
#89
Naphthalene
Concen: 1.527 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.0	8.2	12.4

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#90
1,2,3-Trichlorobenzene
Concen: 1.745 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	76.1	114.1
145	31.0	26.0	39.0

