

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031419\
 Data File : VU030003.D
 Acq On : 12 Mar 2019 11:48
 Operator : JC/SP
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 12:55:59 PM

Quant Time: Mar 13 04:19:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 13 04:00:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	65241	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	22907	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	26477	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	229256	9.582	ug/l	100
3) Chloromethane	1.33	50	263101	9.693	ug/l	100
4) Vinyl Chloride	1.40	62	225078	9.674	ug/l	100
5) Bromomethane	1.62	94	116385	8.752	ug/l	100
6) Chloroethane	1.70	64	130506	9.716	ug/l	100
7) Trichlorofluoromethane	1.88	101	289251	9.584	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	157042	9.565	ug/l	100
9) 1,1-Dichloroethene	2.28	96	157577	9.680	ug/l	100
10) Iodomethane	2.41	142	163339	11.581	ug/l	100
11) Allyl Chloride	2.59	41	221612	9.628	ug/l	100
12) Acrylonitrile	2.93	53	66511	18.865	ug/l	100
13) Acetone	2.32	43	134995	43.982	ug/l	100
14) Carbon Disulfide	2.47	76	544501	9.601	ug/l	100
15) Methylene Chloride	2.70	84	178295	9.199	ug/l	100
16) trans-1,2-Dichloroethene	2.98	96	179643	9.557	ug/l	100
17) 1,1-Dichloroethane	3.44	63	308221	9.699	ug/l	100
18) 2-Butanone	4.27	43	209612	49.327	ug/l	100
19) Cyclohexane	4.99	56	275712m	10.163	ug/l	
20) Methylcyclohexane	6.41	83	307086	10.221	ug/l	100
21) 2,2-Dichloropropane	4.22	77	252939	9.465	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	202527	9.692	ug/l	100
23) Diethyl Ether	2.10	59	118970	9.782	ug/l	100
24) tert-Butyl Alcohol	2.83	59	121265	93.163	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	396719	9.650	ug/l	100
26) Bromochloromethane	4.54	128	87013	9.518	ug/l	100
27) Chloroform	4.67	83	313523	9.377	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	273356	9.937	ug/l	100
29) 1,1-Dichloropropene	5.13	75	247924	9.899	ug/l	100
30) Carbon Tetrachloride	5.13	117	242358	9.855	ug/l	100
31) Isopropyl Ether	3.57	45	435483	9.738	ug/l	100
32) Ethyl-t-butyl ether	4.07	59	428656	9.948	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	396031	10.041	ug/l	100
34) Propionitrile	4.33	54	59449	49.314	ug/l	100
35) Benzene	5.38	78	720755	9.836	ug/l	100
36) 1,2-Dichloroethane	5.40	62	185308	9.458	ug/l	100
37) Trichloroethene	6.18	130	204663	9.697	ug/l	100
38) 1,2-Dichloropropane	6.43	63	181424	9.740	ug/l	100
39) Methacrylonitrile	4.54	41	49759	9.633	ug/l	100
40) Methyl acrylate	4.42	55	82809	10.145	ug/l	100
41) Tetrahydrofuran	4.65	42	52101	18.236	ug/l	100
42) 1-Chlorobutane	5.06	56	326549	9.955	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	92710	9.620	ug/l	100
44) Bromodichloromethane	6.75	83	225173	9.794	ug/l	100
45) 4-Methyl-2-Pentanone	7.46	43	480758	50.492	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	88953m	24.036	ug/l	
47) Methyl methacrylate	6.62	69	167862	20.792	ug/l	100
48) Ethyl methacrylate	8.02	69	166792	10.954	ug/l	100
49) Toluene	7.63	92	449737	10.186	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	215224	10.454	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	265918	10.275	ug/l	100
52) 1,1,2-Trichloroethane	8.06	97	132606	9.733	ug/l	100
53) 1,3-Dichloropropane	8.24	76	223284	9.799	ug/l	100
54) 2-Hexanone	8.36	43	342584	49.938	ug/l	100
55) Dibromochloromethane	8.47	129	164183	10.018	ug/l	100
56) 1,2-Dibromoethane	8.58	107	130006	9.915	ug/l	100
58) Tetrachloroethene	8.22	164	188206	9.820	ug/l	100
59) Chlorobenzene	9.12	112	504266	9.995	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	176840	9.923	ug/l	100
61) Pentachloroethane	11.10	117	135993	9.888	ug/l	100
62) Hexachloroethane	12.14	117	143555	10.360	ug/l	100
63) Ethyl Benzene	9.25	91	852487	10.289	ug/l	100
64) m/p-Xylenes	9.37	106	687083	21.077	ug/l	100
65) o-Xylene	9.77	106	330985	10.351	ug/l	100
66) Styrene	9.79	104	561207	10.709	ug/l	100
67) Bromoform	9.95	173	97063	10.361	ug/l	100
69) Isopropylbenzene	10.16	105	862999	10.352	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	164222	9.780	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	116473m	9.343	ug/l	
72) Bromobenzene	10.45	156	221512	10.131	ug/l	100
73) n-propylbenzene	10.58	120	249511	10.550	ug/l	100
74) 2-Chlorotoluene	10.66	126	212000	10.236	ug/l	100
75) 1,3,5-Trimethylbenzene	10.77	105	750316	10.564	ug/l	100
76) 4-Chlorotoluene	10.77	126	220849	10.446	ug/l	100
77) tert-Butylbenzene	11.10	119	721476	10.378	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	767923	10.632	ug/l	100
79) sec-Butylbenzene	11.32	105	976629	10.486	ug/l	100
80) Nitrobenzene	12.86	77	15507	49.442	ug/l	100
81) p-Isopropyltoluene	11.47	119	834909	10.688	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	441542	10.000	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	442730	9.974	ug/l	100
84) n-Butylbenzene	11.89	91	778746	10.672	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	409417	9.962	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.65	75	25550	10.562	ug/l	100
87) 1,2,4-Trichlorobenzene	13.50	180	305150	10.289	ug/l	100
88) Hexachlorobutadiene	13.69	225	160244	9.968	ug/l	100
89) Naphthalene	13.74	128	525279	11.302	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	275840	10.265	ug/l	100

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

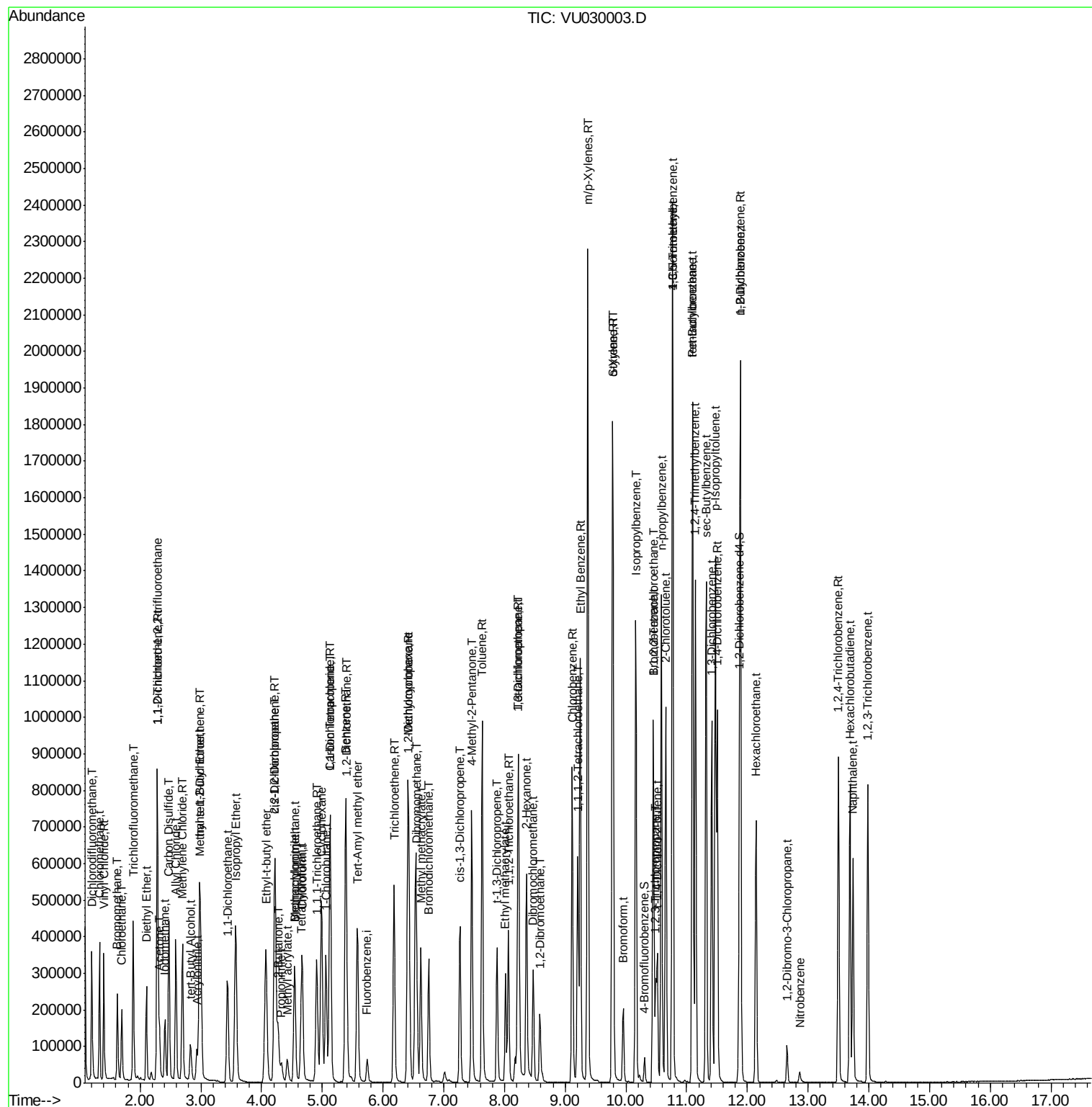
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU031419\
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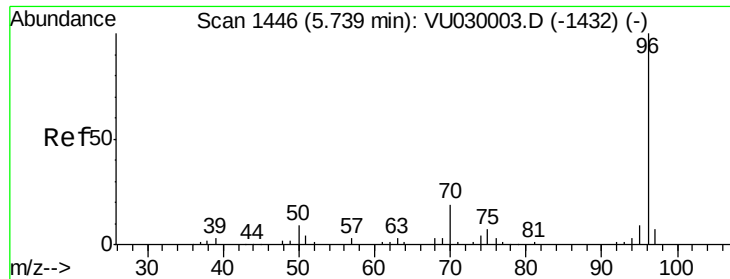
Instrument :
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Instrument :

MSVOA_U

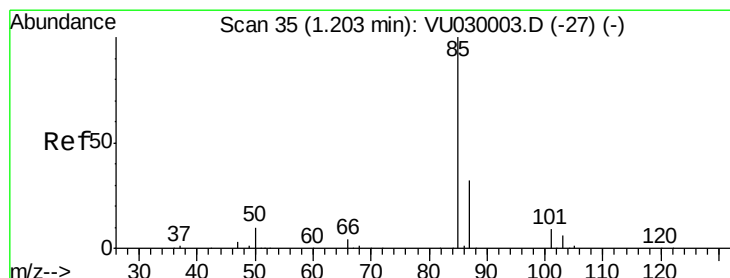
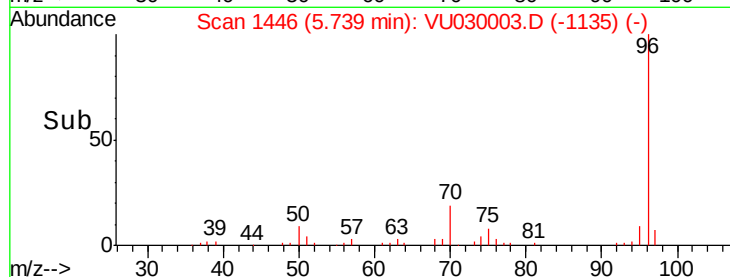
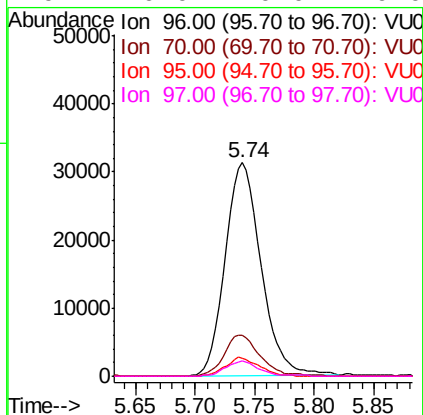
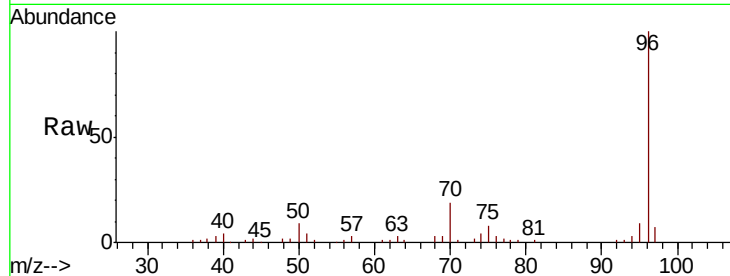
ClientSampleId :

VSTDICCC010

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
70	19.4	15.5	23.3	
95	8.2	6.6	9.8	
97	0.0	0.0	0.0	

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 9.582 ug/l

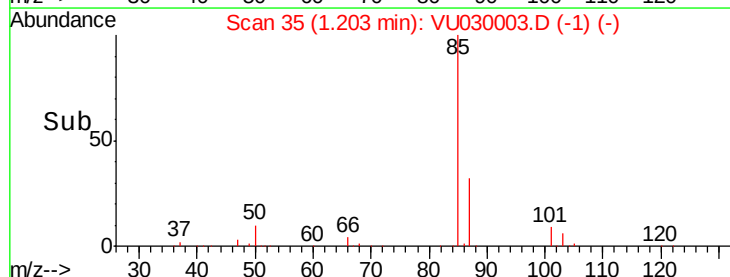
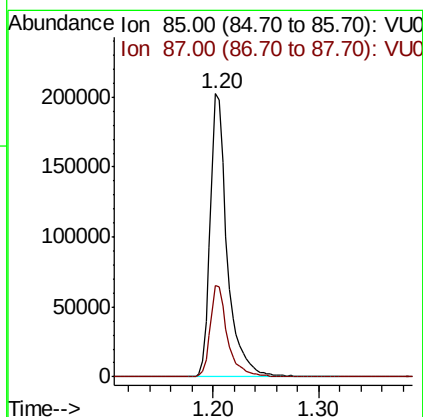
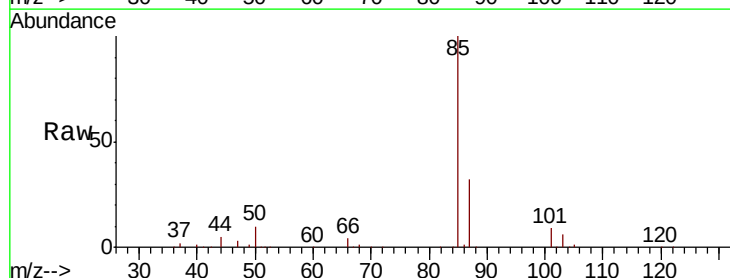
RT: 1.20 min Scan# 35

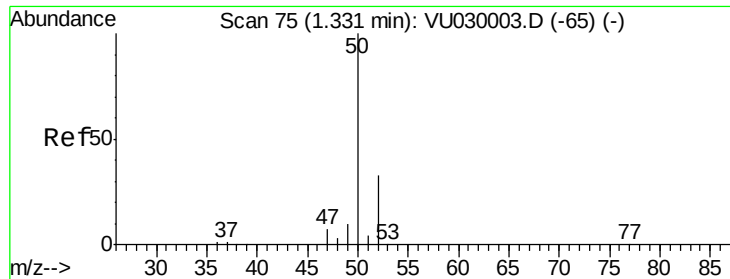
Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	32.4	16.2	48.6	





#3

Chloromethane

Concen: 9.693 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Instrument :

MSVOA_U

ClientSampled :

VSTDICCC010

Tgt Ion: 50 Resp: 263101

Ion Ratio Lower Upper

50 100

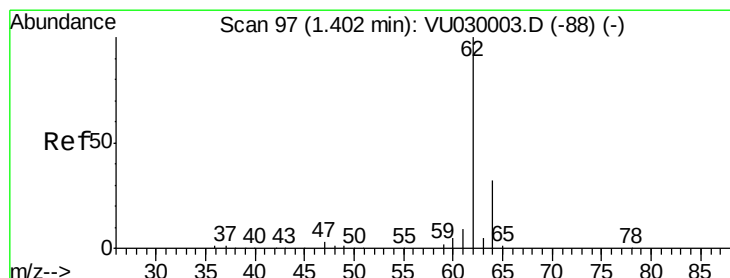
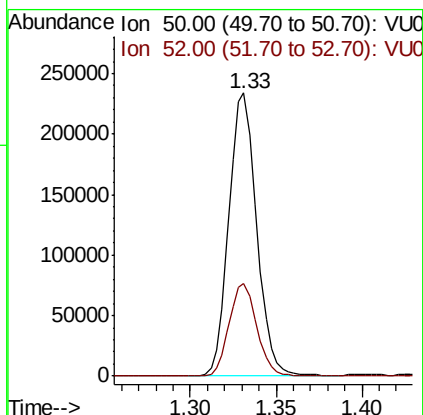
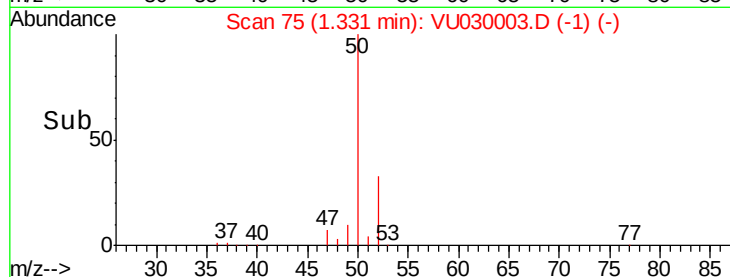
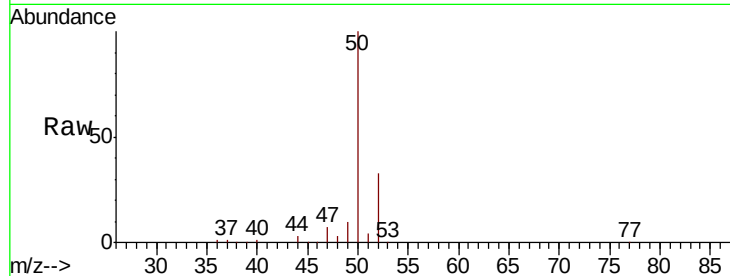
52 32.6 26.1 39.1

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#4

Vinyl Chloride

Concen: 9.674 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030003.D

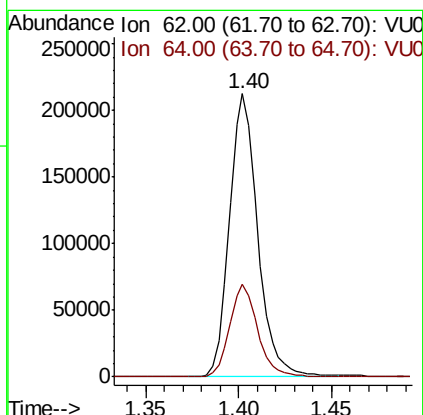
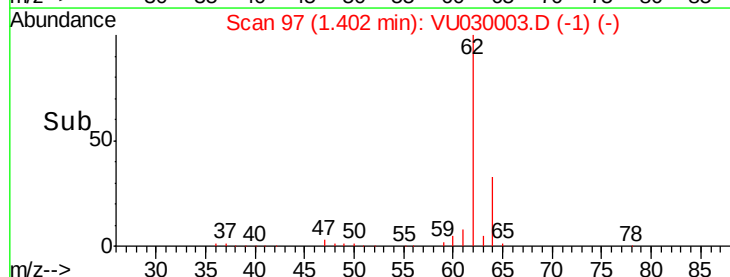
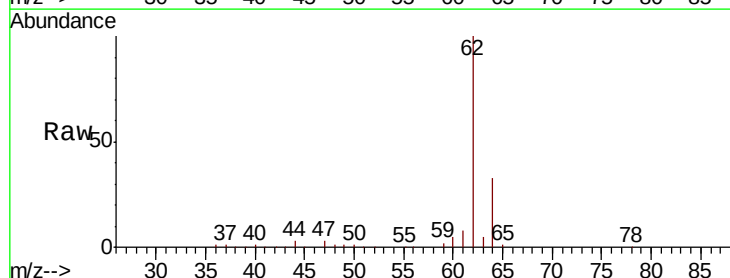
Acq: 12 Mar 2019 11:48

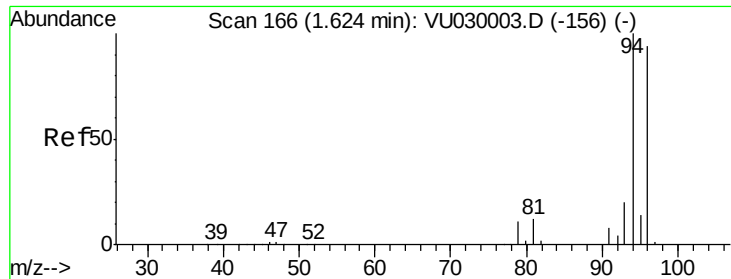
Tgt Ion: 62 Resp: 225078

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0





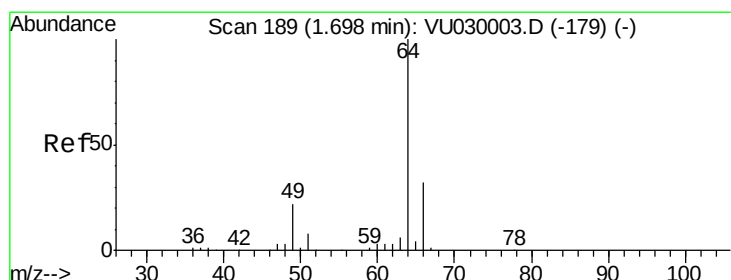
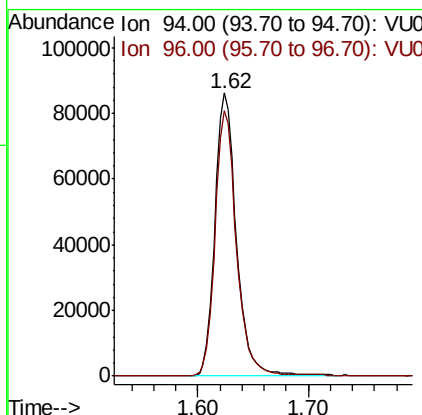
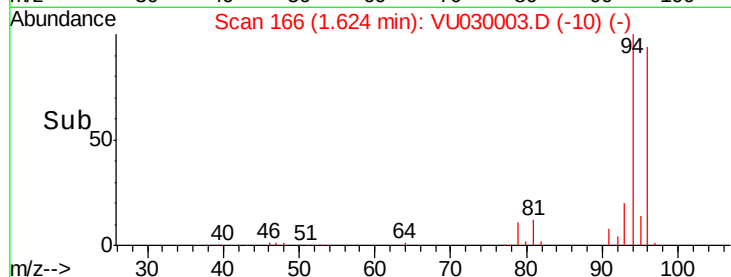
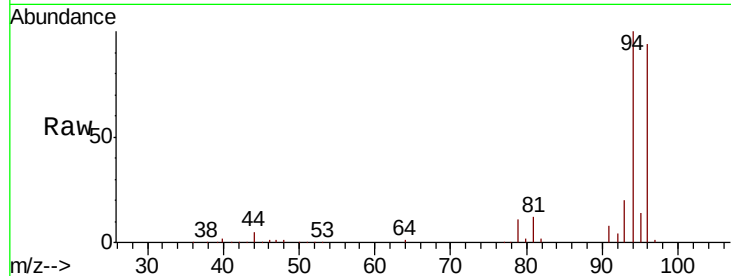
#5
Bromomethane
Concen: 8.752 ug/l
RT: 1.62 min Scan# 166
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 94 Resp: 116385
Ion Ratio Lower Upper
94 100
96 94.0 75.2 112.8

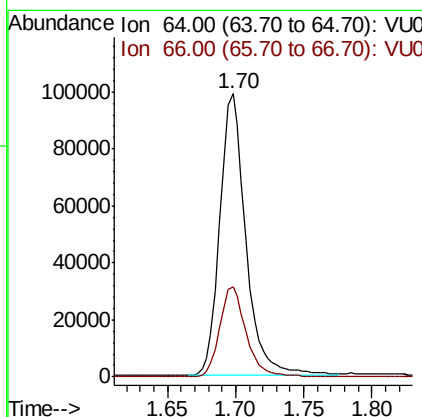
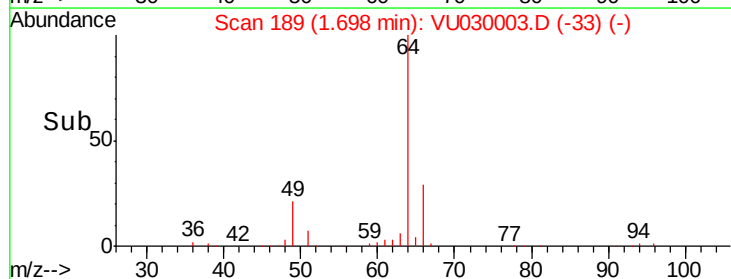
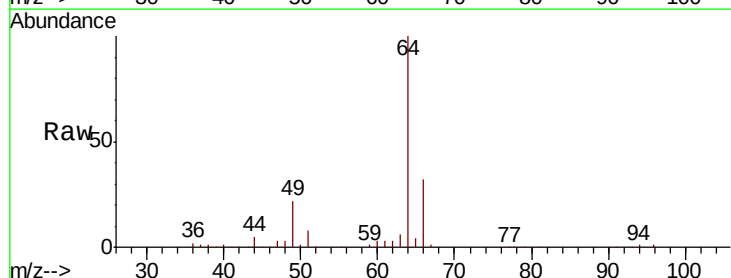
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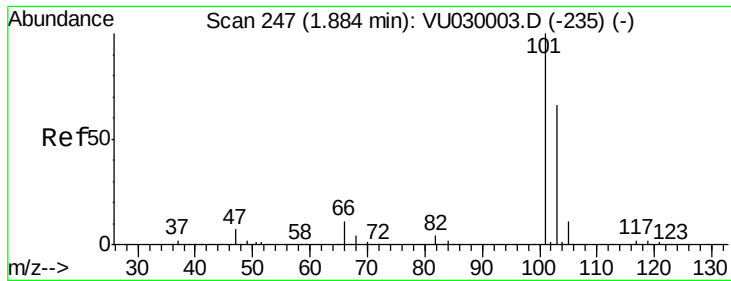
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#6
Chloroethane
Concen: 9.716 ug/l
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion: 64 Resp: 130506
Ion Ratio Lower Upper
64 100
66 32.2 25.8 38.6





#7

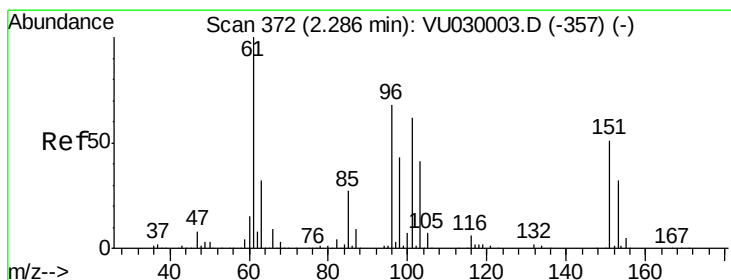
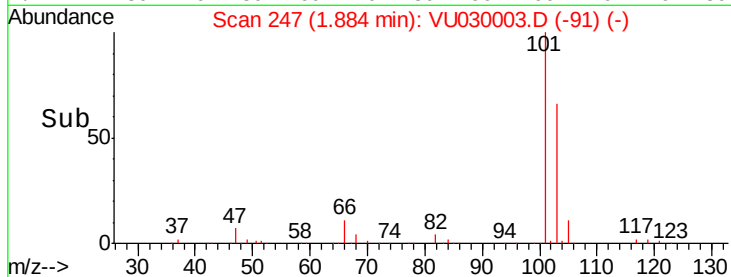
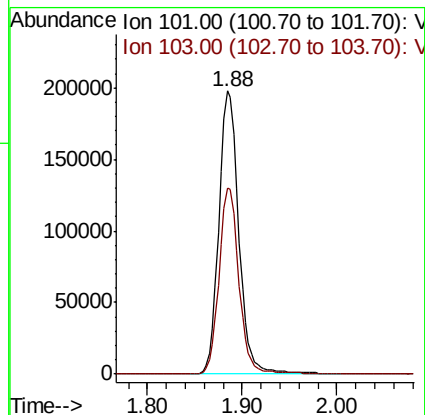
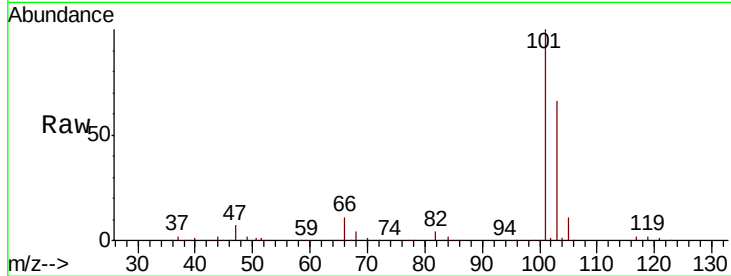
Trichlorofluoromethane
 Concen: 9.584 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	289251		
103	65.8	52.6	79.0	

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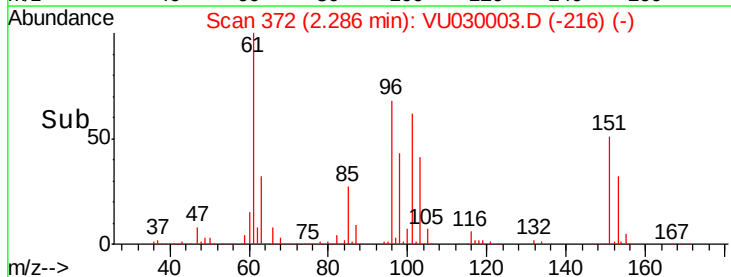
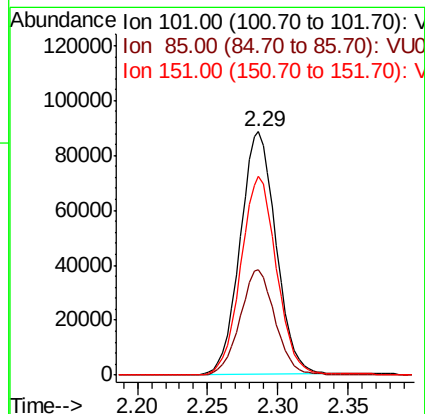
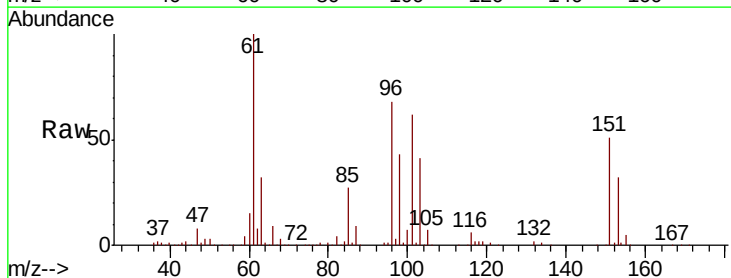
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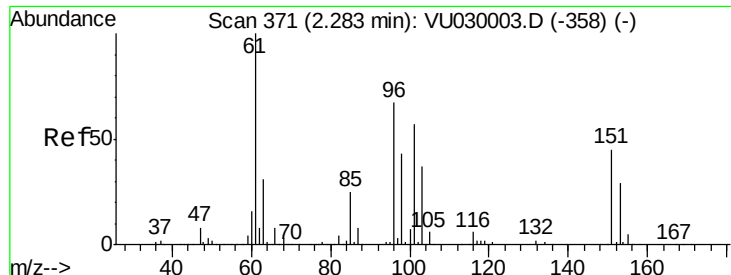


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.565 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	157042		
85	42.0	33.6	50.4	
151	81.2	65.0	97.4	





#9

1,1-Dichloroethene

Concen: 9.680 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Instrument :

MSVOA_U

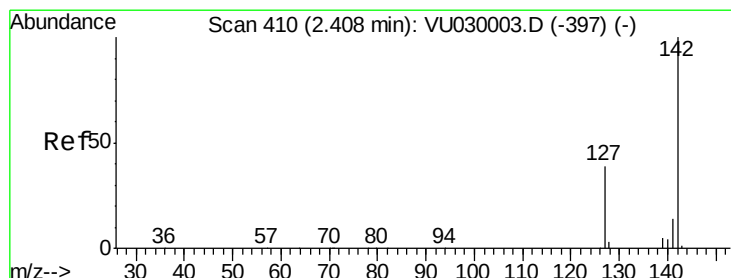
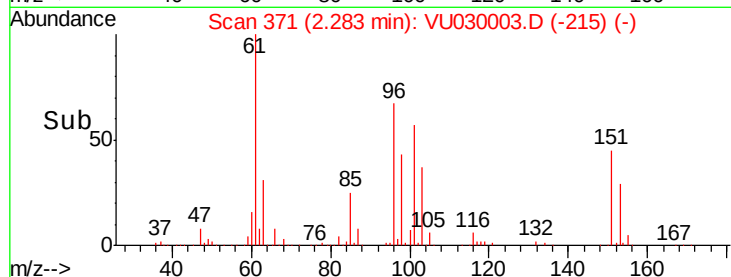
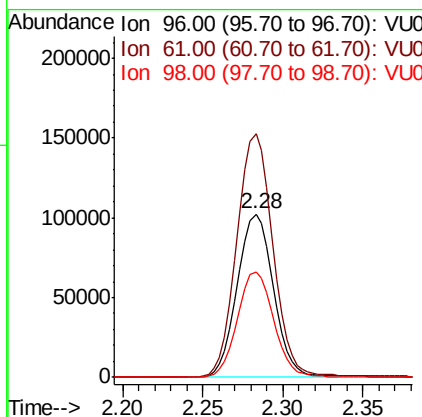
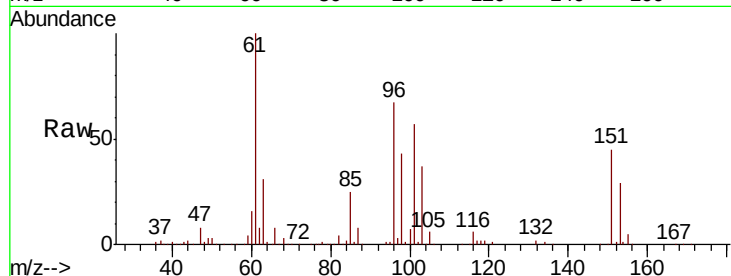
ClientSampleId :

VSTDICCC010

Tgt Ion:	96	Resp:	157577
Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	447.0
98	64.6	0.0	129.2

Manual Integrations
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#10

Iodomethane

Concen: 11.581 ug/l

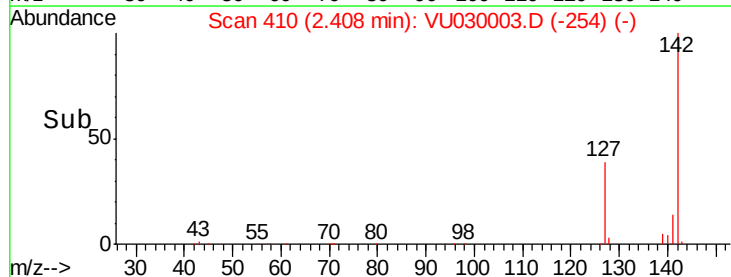
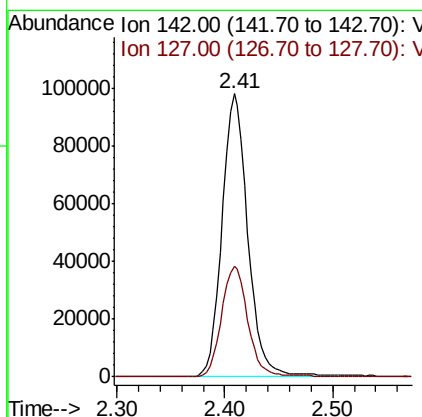
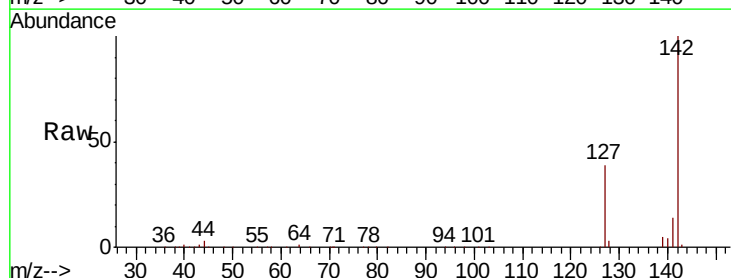
RT: 2.41 min Scan# 410

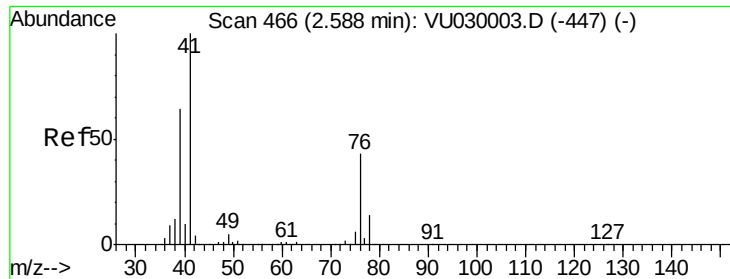
Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Tgt Ion:	142	Resp:	163339
Ion	Ratio	Lower	Upper
142	100		
127	40.3	32.2	48.4





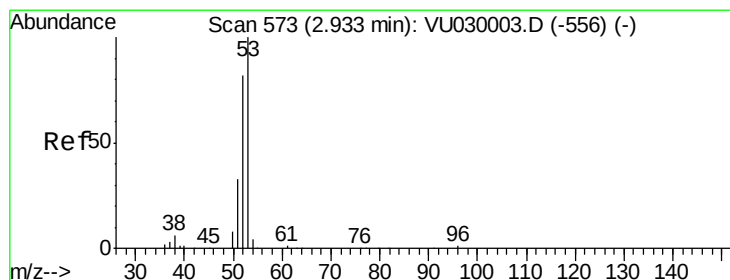
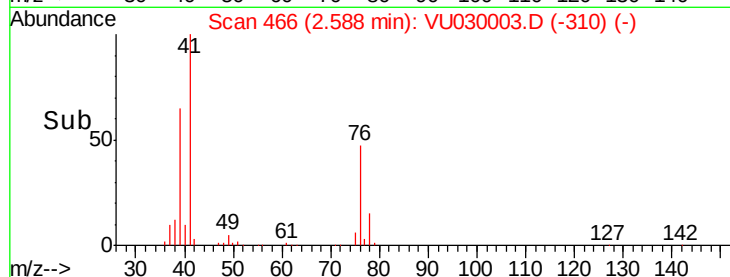
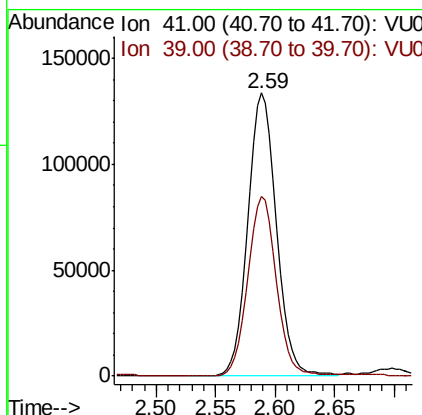
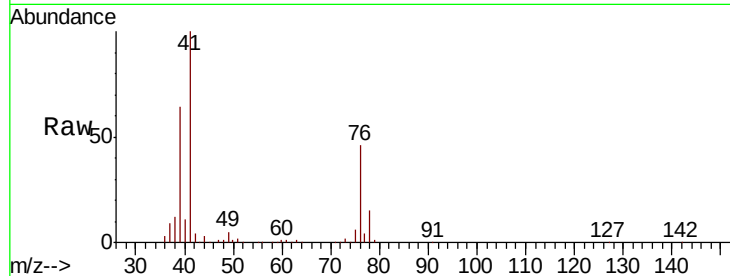
#11
 Allyl Chloride
 Concen: 9.628 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 41 Resp: 221612
 Ion Ratio Lower Upper
 41 100
 39 63.5 50.8 76.2

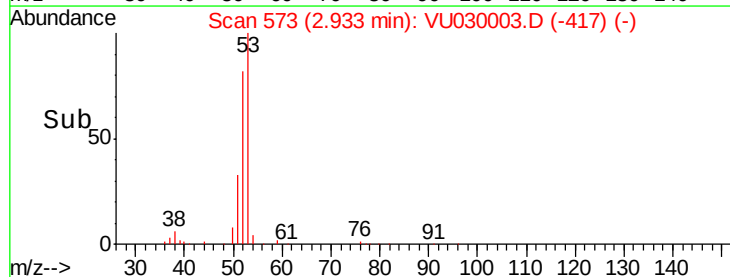
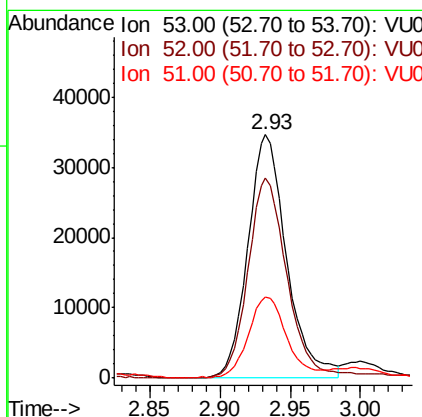
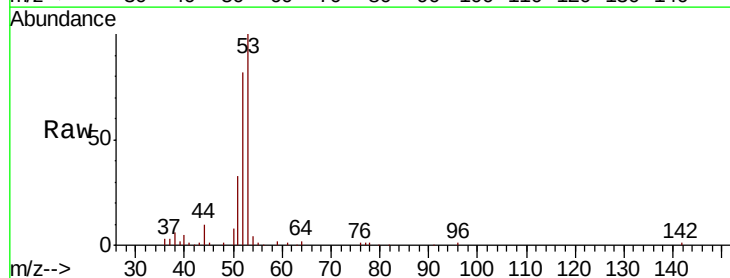
Manual Integrations
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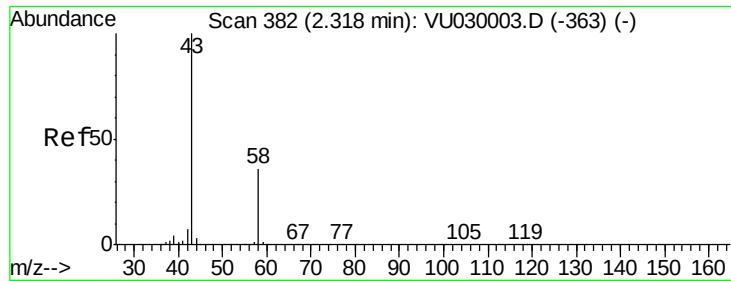
MMDadoda
 3/13/2019 12:55:59 PM



#12
 Acrylonitrile
 Concen: 18.865 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Tgt Ion: 53 Resp: 66511
 Ion Ratio Lower Upper
 53 100
 52 82.9 66.3 99.5
 51 33.6 26.9 40.3





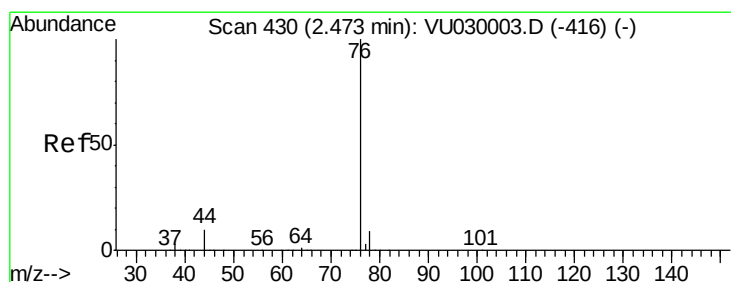
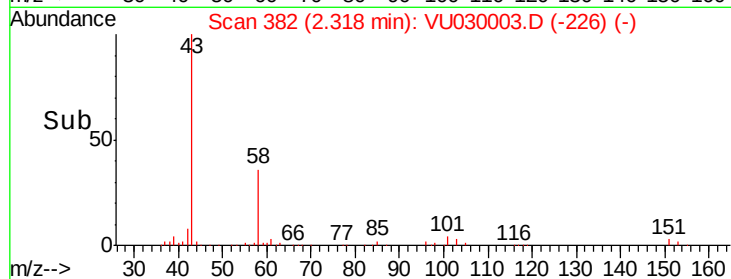
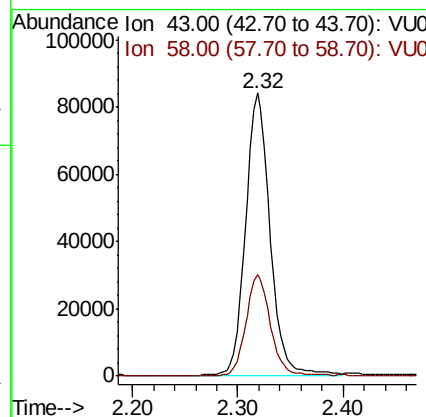
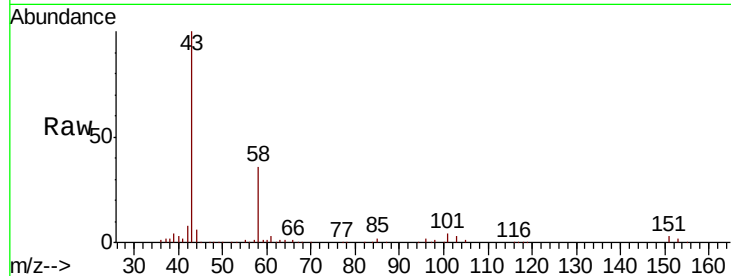
#13
Acetone
Concen: 43.982 ug/l
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.6	43.0

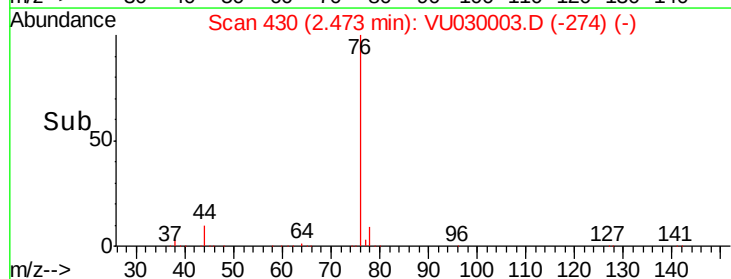
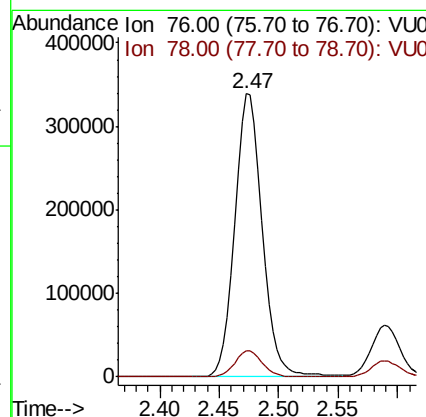
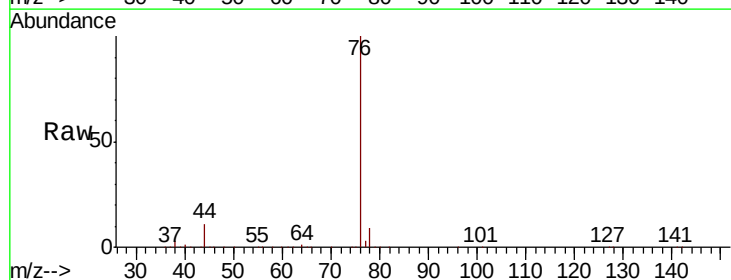
Manual Integrations
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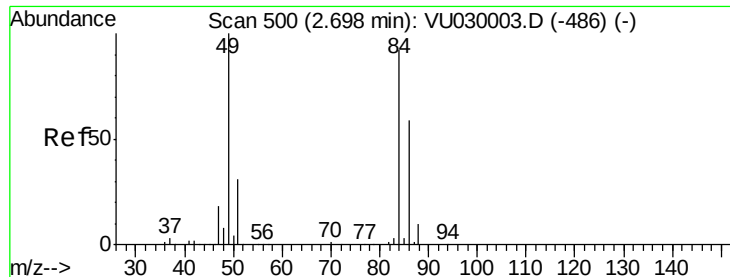
MMDadoda
3/13/2019 12:55:59 PM



#14
Carbon Disulfide
Concen: 9.601 ug/l
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2





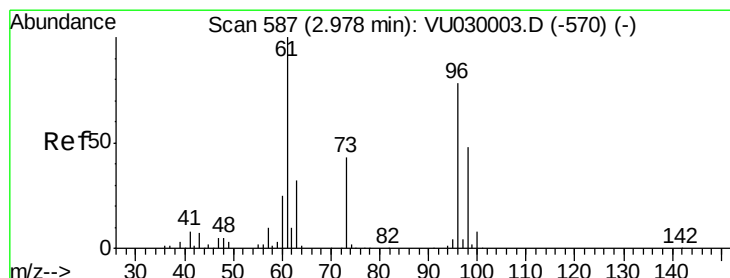
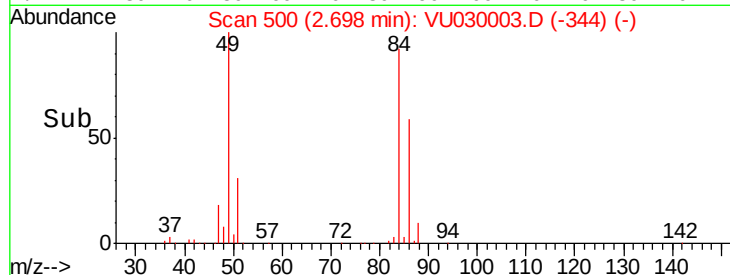
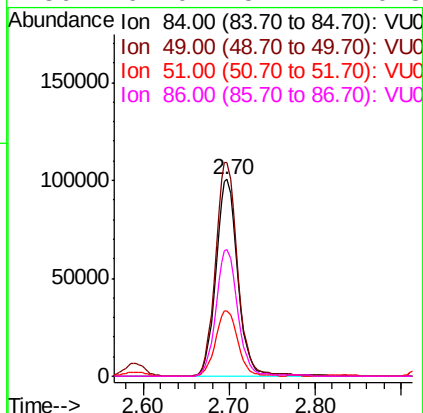
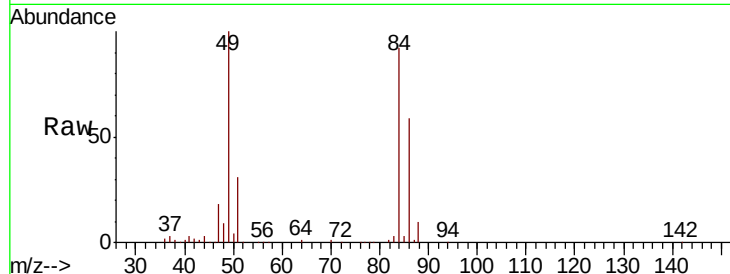
#15
Methylene Chloride
Concen: 9.199 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.1	86.5	129.7
51	33.4	0.0	66.8
86	64.0	51.2	76.8

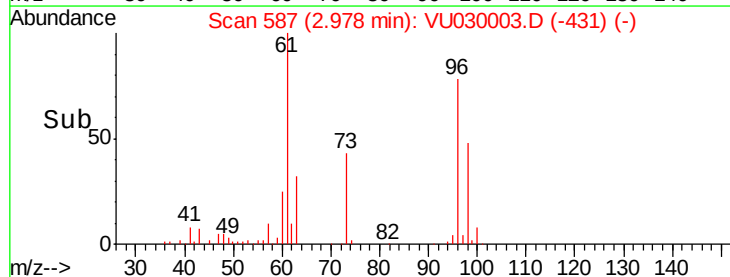
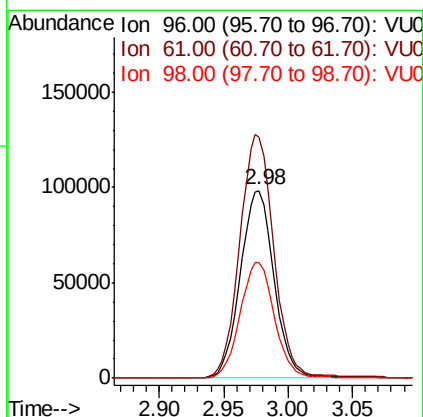
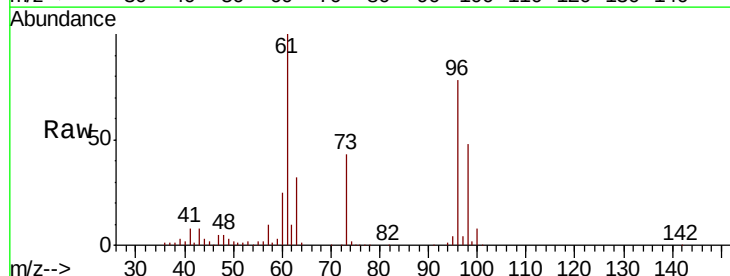
Manual Integrations
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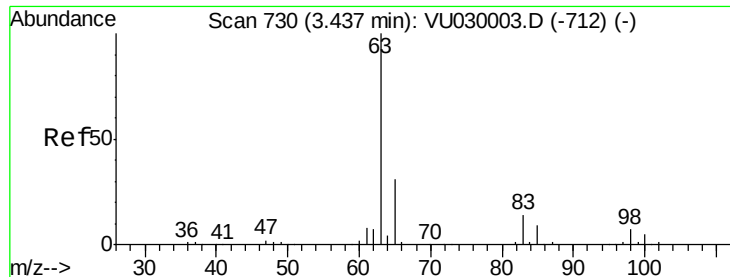
MMDadoda
3/13/2019 12:55:59 PM



#16
trans-1,2-Dichloroethene
Concen: 9.557 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.8	103.0	154.6
98	61.9	49.5	74.3





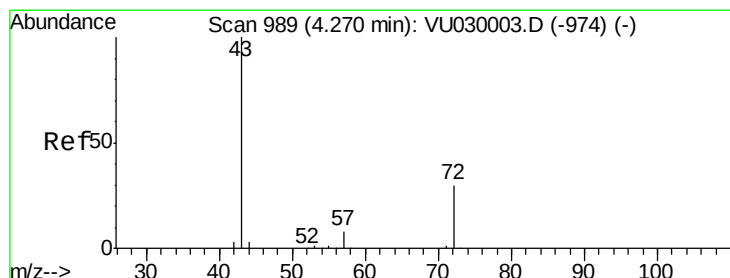
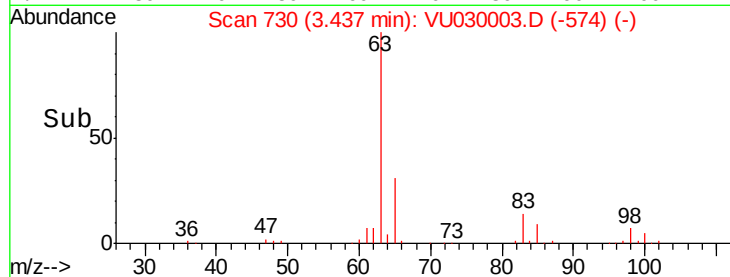
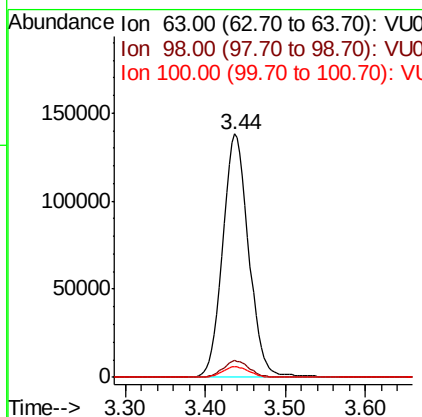
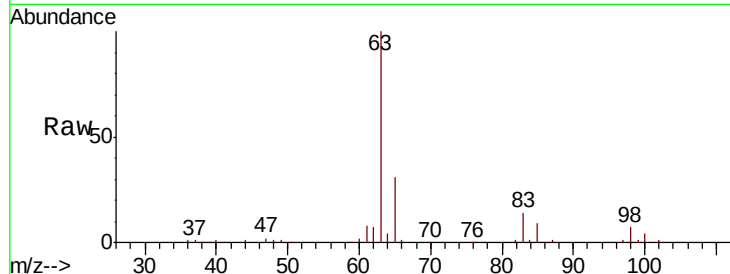
#17
 1,1-Dichloroethane
 Concen: 9.699 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion:	63	Resp:	308221
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.4	10.2
100	4.5	2.3	6.8

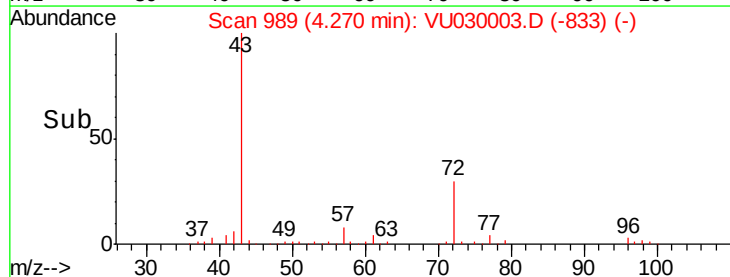
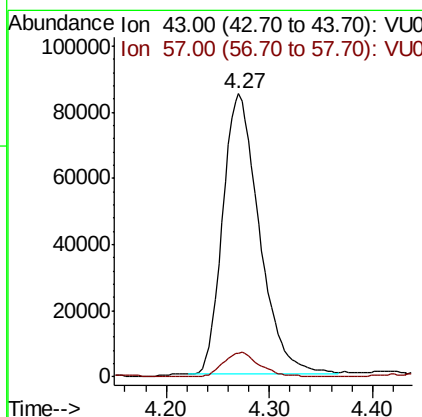
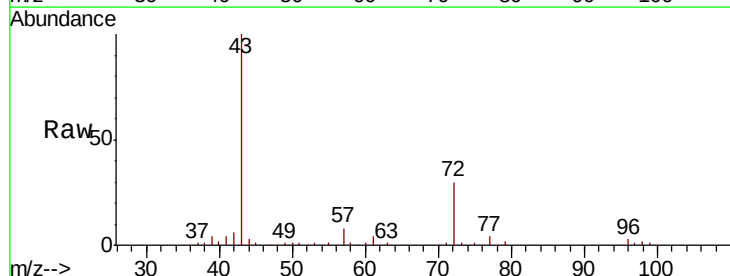
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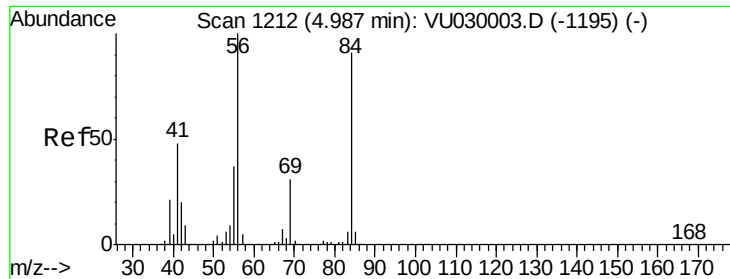
MMDadoda
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#18
 2-Butanone
 Concen: 49.327 ug/l
 RT: 4.27 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Tgt Ion:	43	Resp:	209612
Ion Ratio	Lower	Upper	
43	100		
57	8.4	0.0	16.8





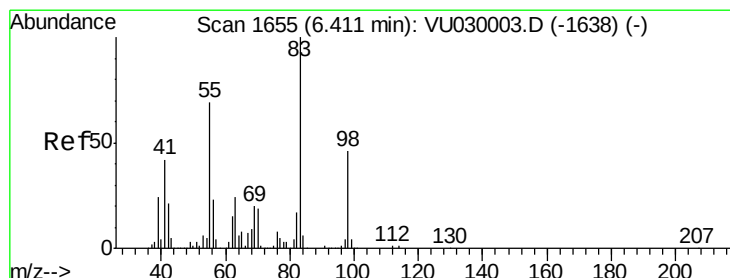
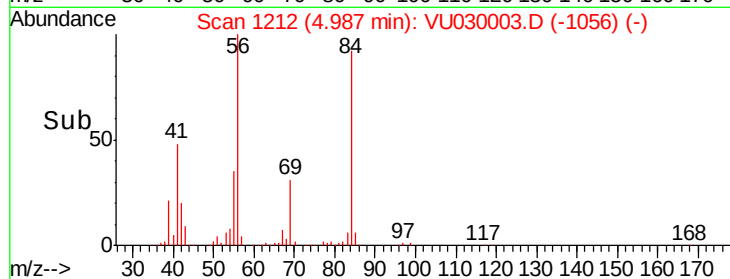
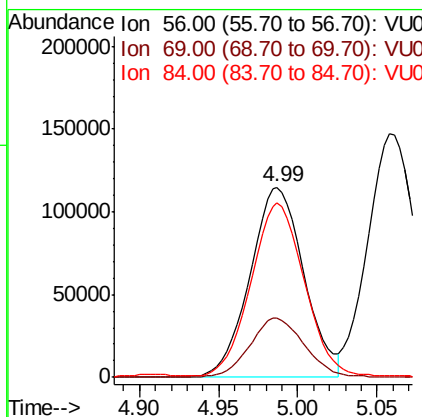
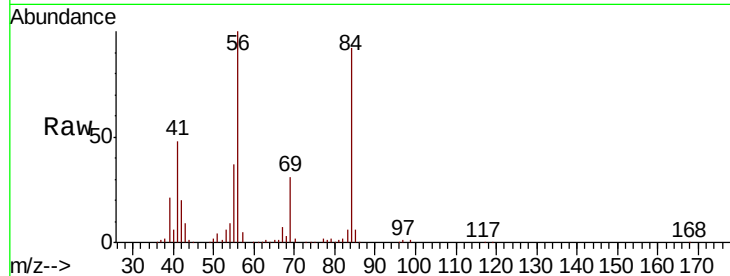
#19
Cyclohexane
Concen: 10.163 ug/l m
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.7	38.5
84	90.2	72.9	109.3

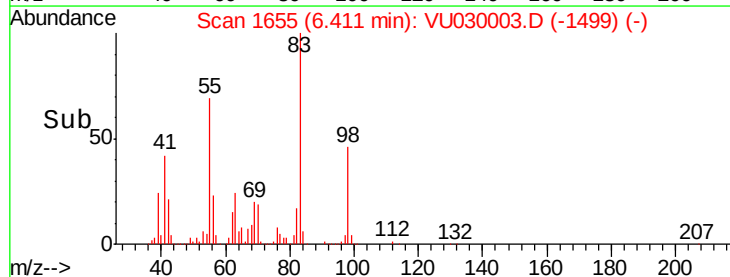
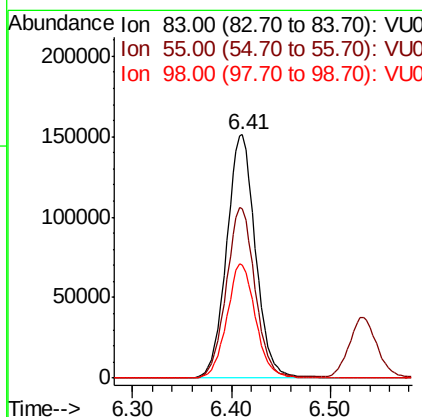
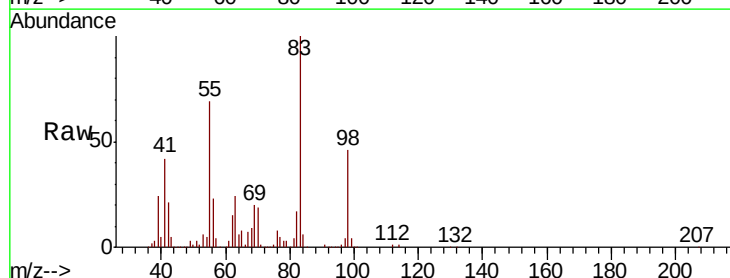
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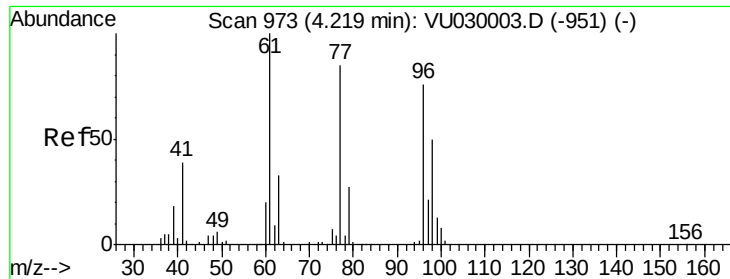
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#20
Methylcyclohexane
Concen: 10.221 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.5	55.6	83.4
98	46.7	37.4	56.0





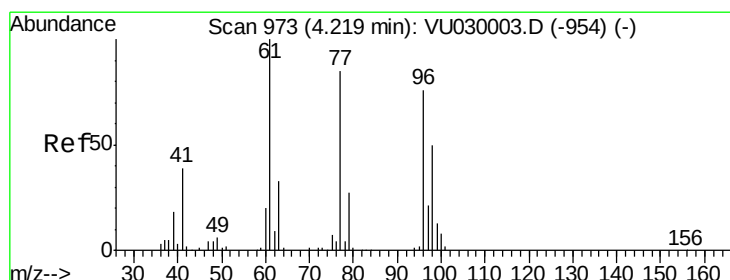
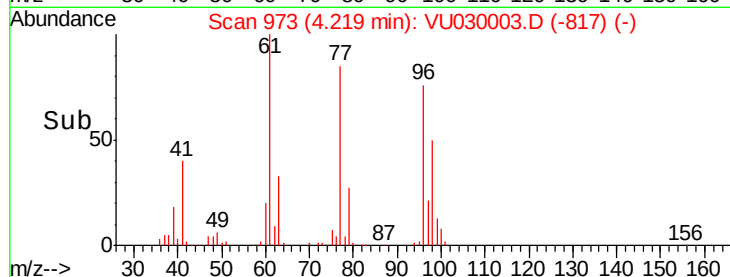
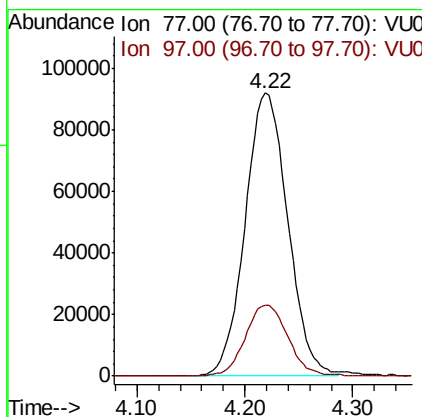
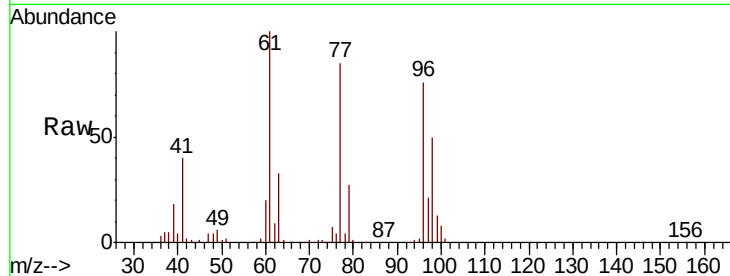
#21
 2,2-Dichloropropane
 Concen: 9.465 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC010

Tgt Ion: 77 Resp: 252939
 Ion Ratio Lower Upper
 77 100
 97 25.3 20.2 30.4

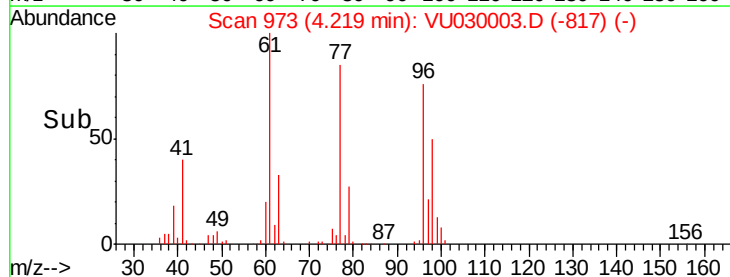
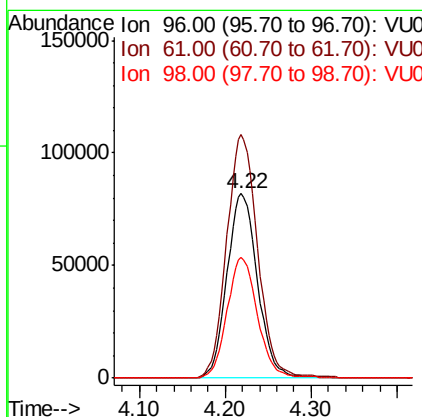
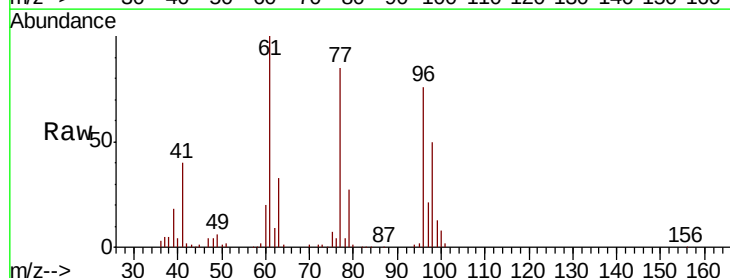
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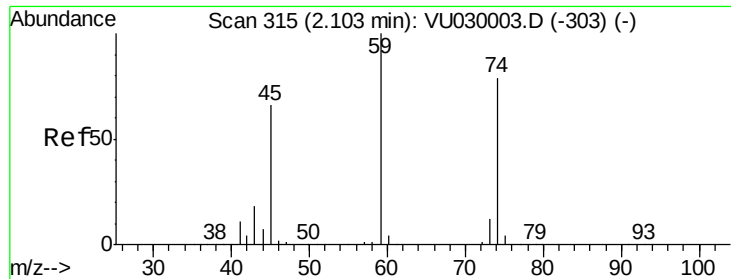
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#22
 cis-1,2-Dichloroethene
 Concen: 9.692 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Tgt Ion: 96 Resp: 202527
 Ion Ratio Lower Upper
 96 100
 61 134.3 0.0 335.8
 98 65.1 32.6 97.7





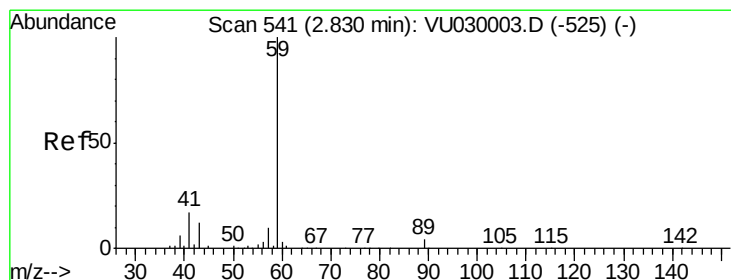
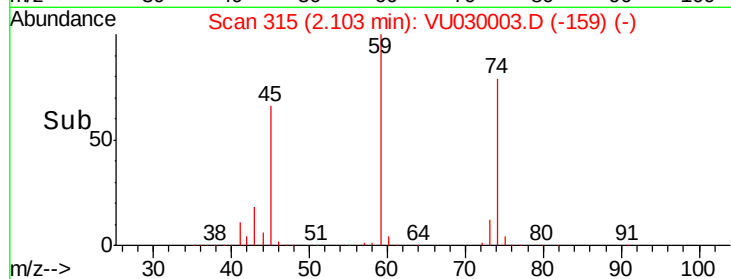
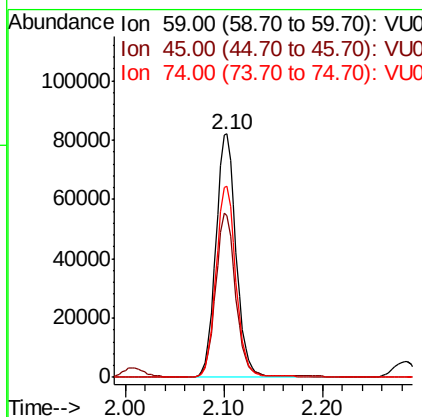
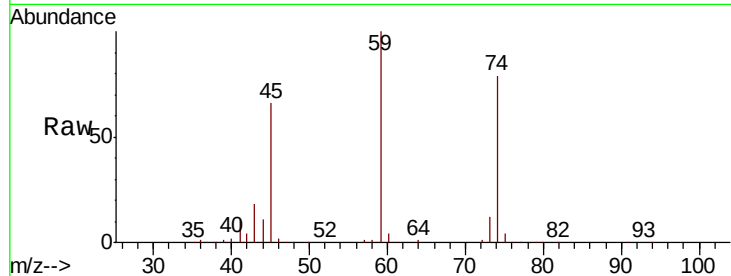
#23
Diethyl Ether
Concen: 9.782 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
59	100		
45	65.4	52.3	78.5
74	76.4	61.1	91.7

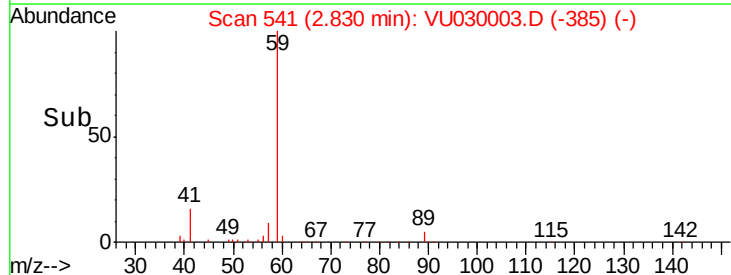
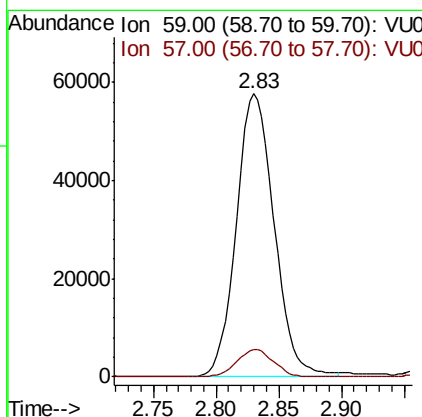
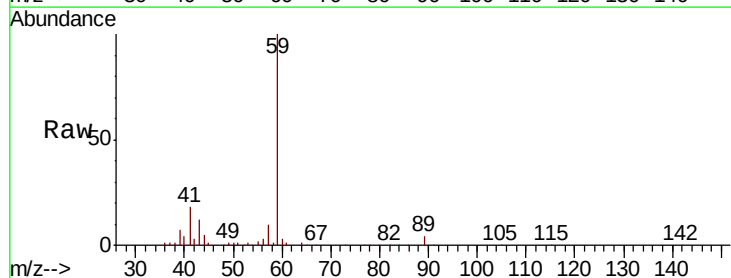
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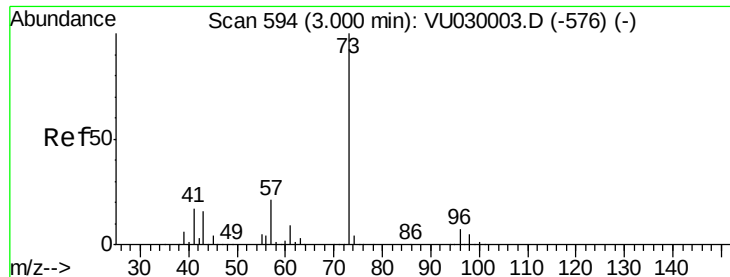
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 93.163 ug/l
RT: 2.83 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.7	11.5





#25

Methyl tert-Butyl Ether

Concen: 9.650 ug/l

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 73 Resp: 396719

Ion Ratio Lower Upper

73 100

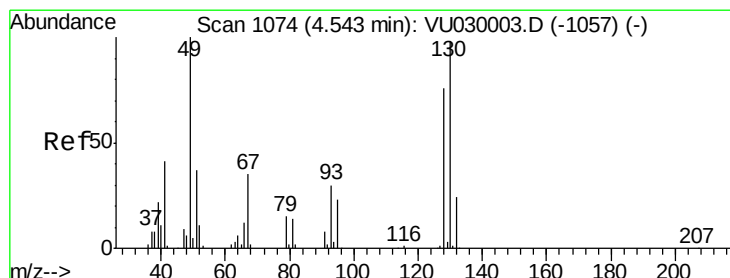
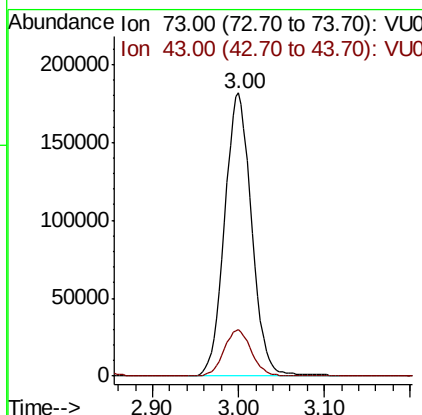
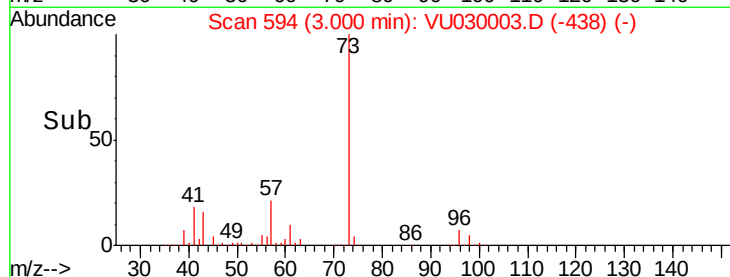
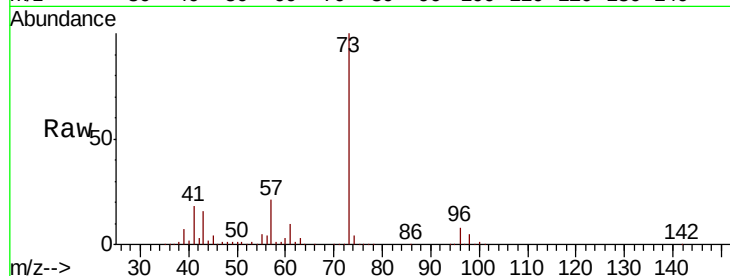
43 16.4 13.1 19.7

Manual Integrations

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MMDadoda

3/13/2019 12:55:59 PM



#26

Bromochloromethane

Concen: 9.518 ug/l

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

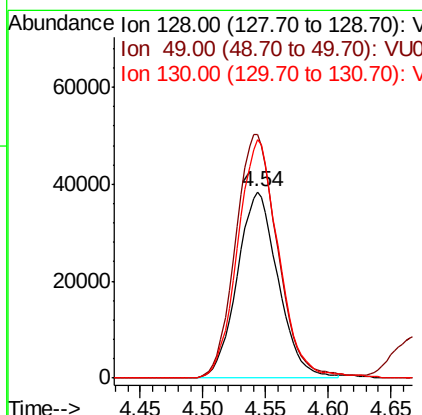
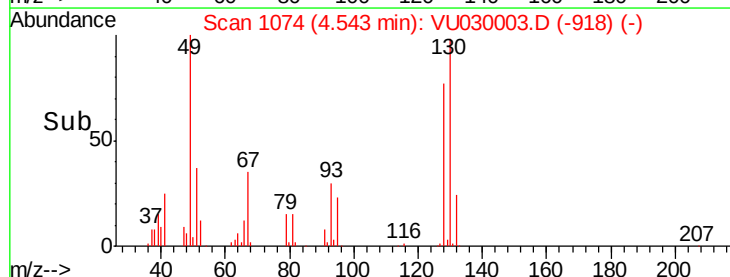
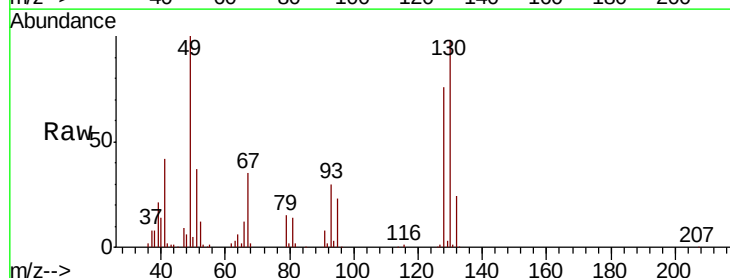
Tgt Ion: 128 Resp: 87013

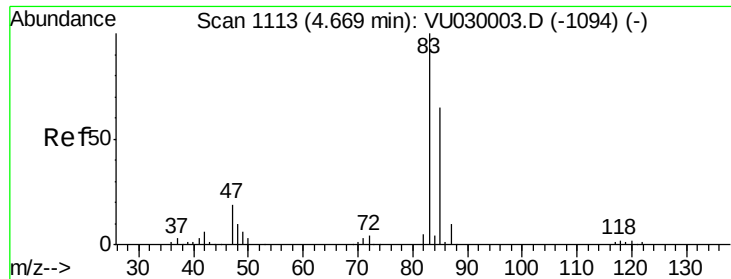
Ion Ratio Lower Upper

128 100

49 135.2 0.0 270.4

130 128.2 102.6 153.8





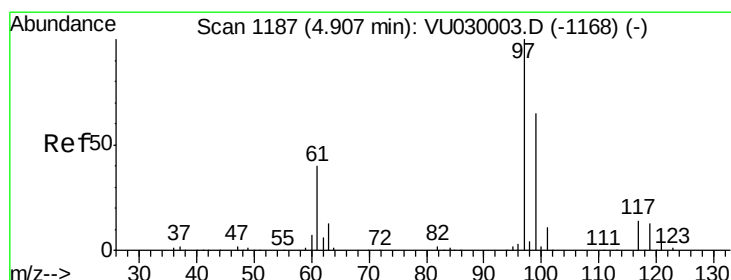
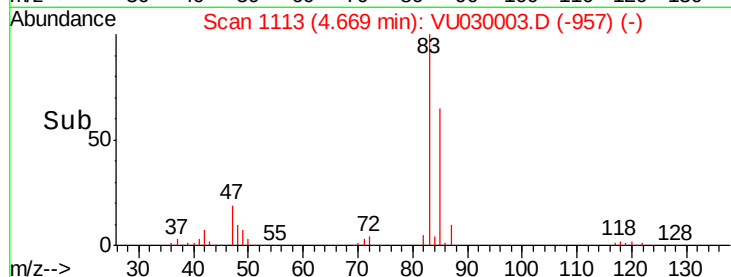
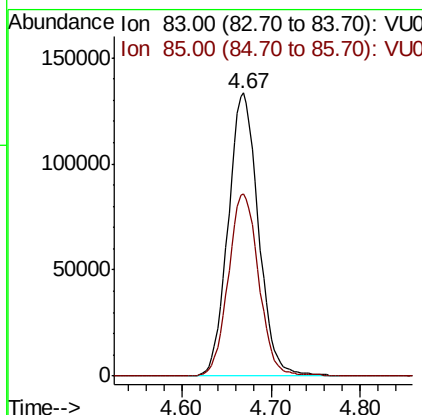
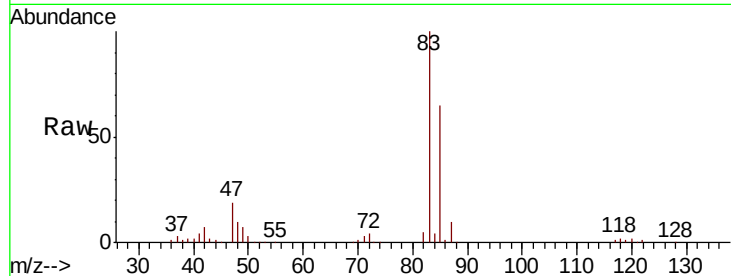
#27
Chloroform
Concen: 9.377 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	313523		
85	64.5	0.0	129.0	

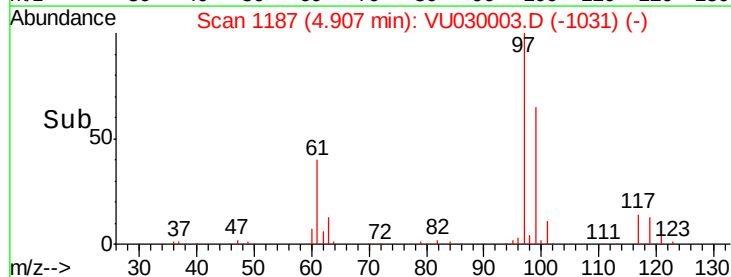
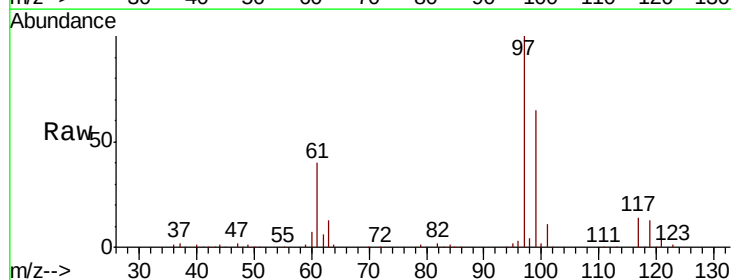
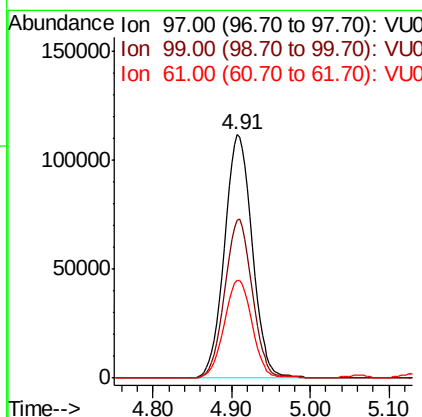
Manual Integrations
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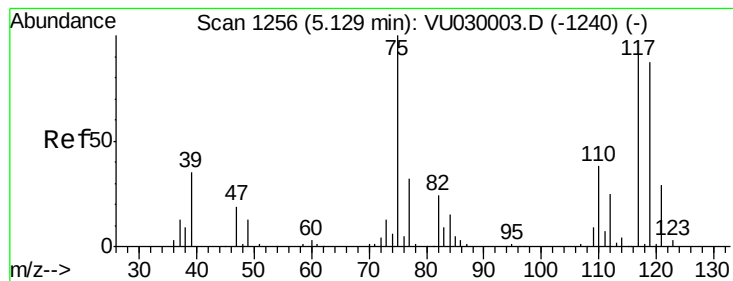
MMDadoda
3/13/2019 12:55:59 PM



#28
1,1,1-Trichloroethane
Concen: 9.937 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	273356		
99	64.7	32.4	97.0	
61	40.8	20.4	61.2	





#29

1,1-Dichloropropene

Concen: 9.899 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 75 Resp: 247924
Ion Ratio Lower Upper

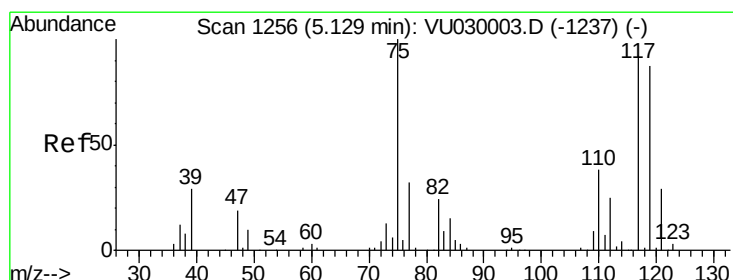
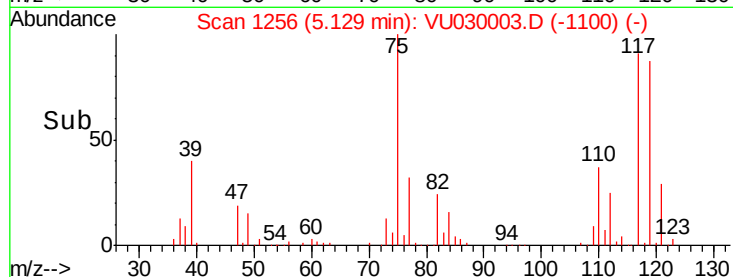
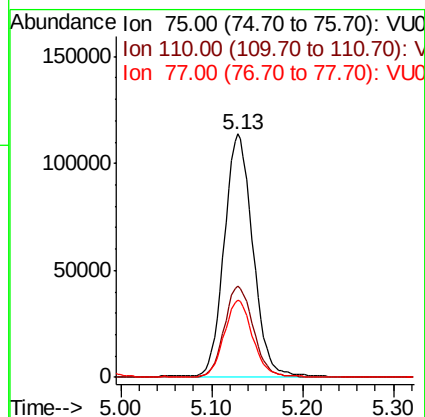
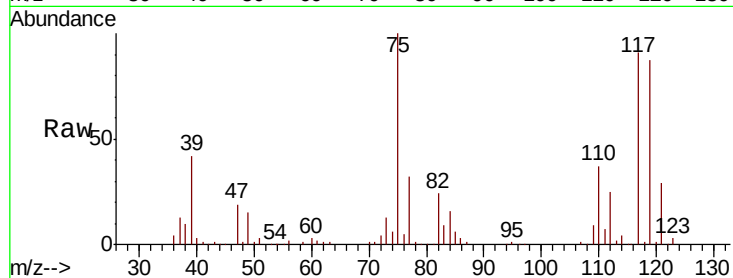
75 100

110 38.2 19.1 57.3

77 31.5 25.2 37.8

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#30

Carbon Tetrachloride

Concen: 9.855 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030003.D

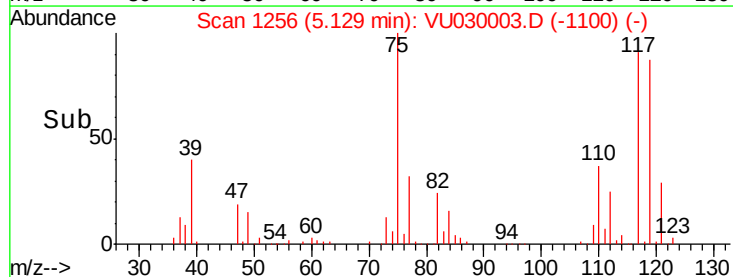
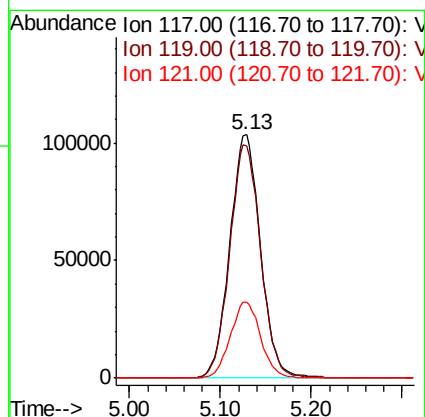
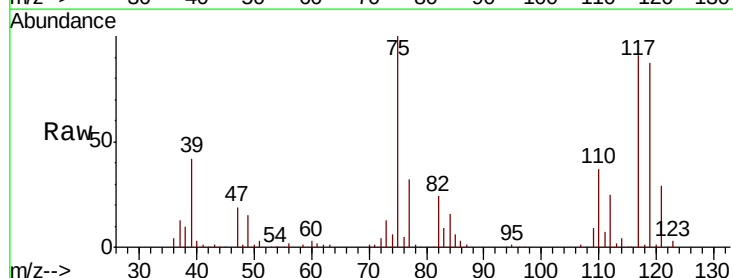
Acq: 12 Mar 2019 11:48

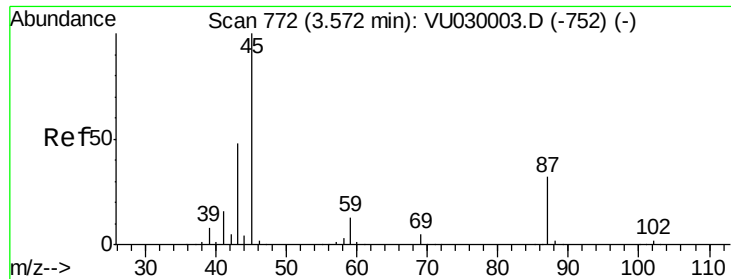
Tgt Ion: 117 Resp: 242358
Ion Ratio Lower Upper

117 100

119 95.4 76.3 114.5

121 31.4 25.1 37.7





#31

Isopropyl Ether

Concen: 9.738 ug/l

RT: 3.57 min Scan# 772

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 45 Resp: 435483

Ion Ratio Lower Upper

45 100

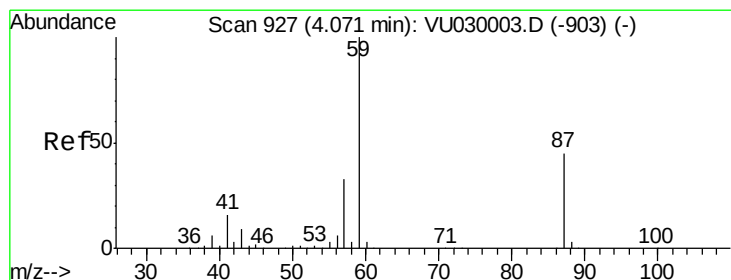
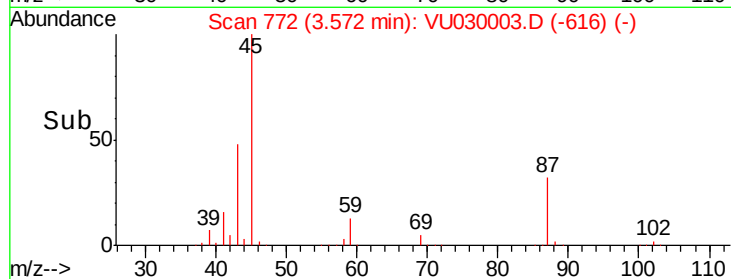
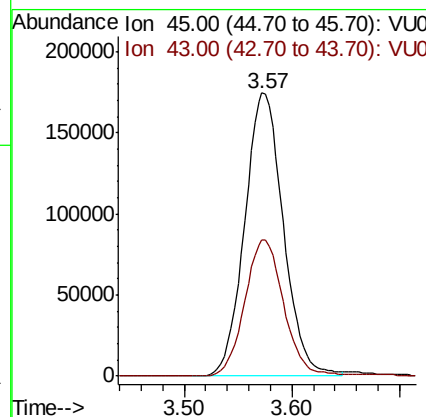
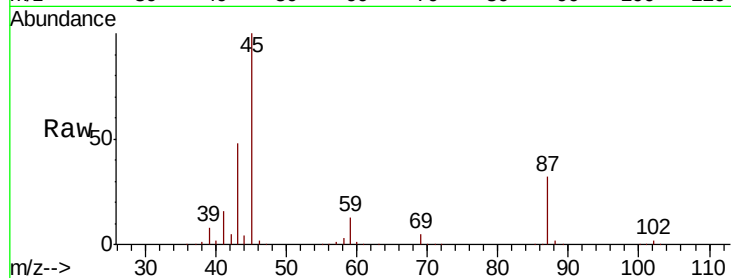
43 49.0 24.5 73.5

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 9.948 ug/l

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU030003.D

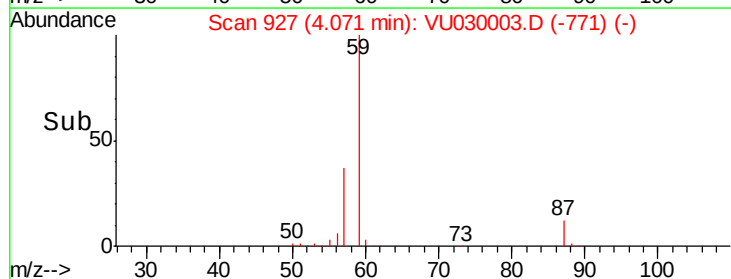
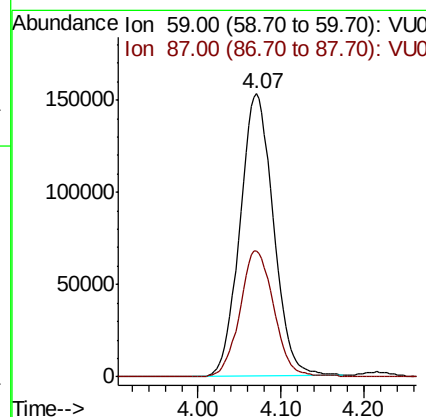
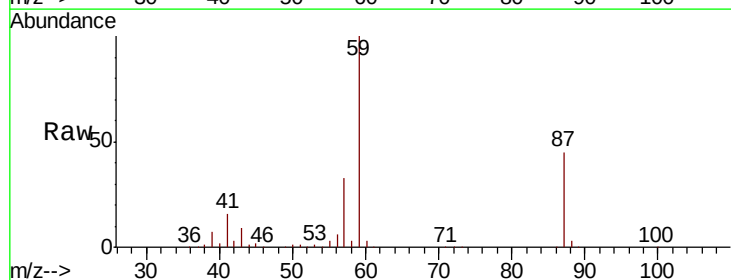
Acq: 12 Mar 2019 11:48

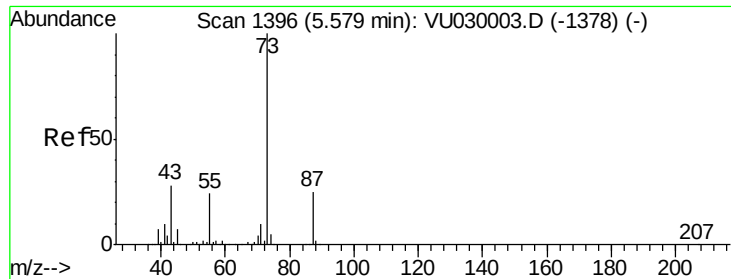
Tgt Ion: 59 Resp: 428656

Ion Ratio Lower Upper

59 100

87 45.3 36.2 54.4





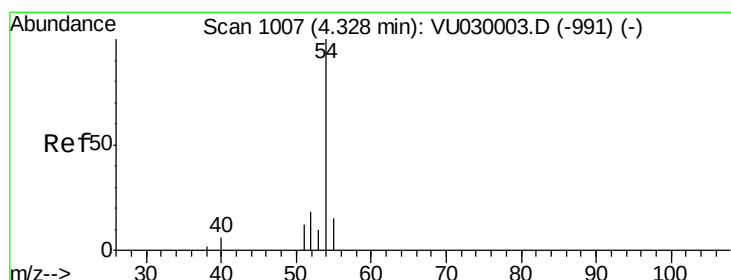
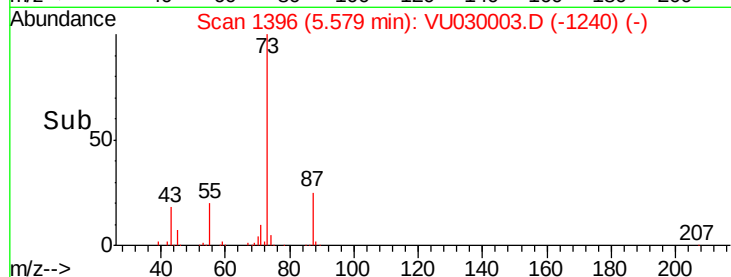
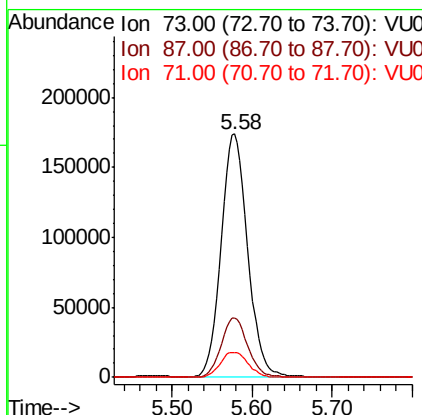
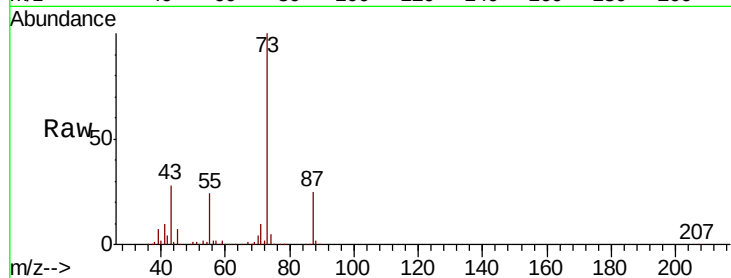
#33
Tert-Amyl methyl ether
Concen: 10.041 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
73	100		
87	24.6	19.7	29.5
71	10.8	8.6	13.0

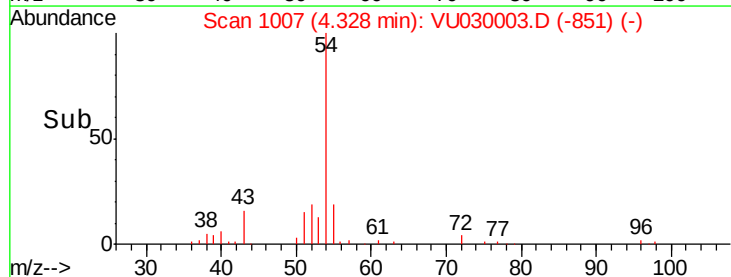
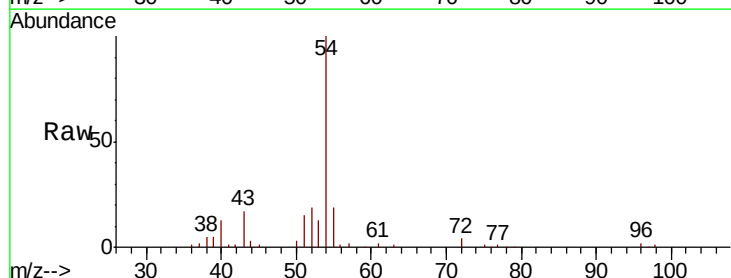
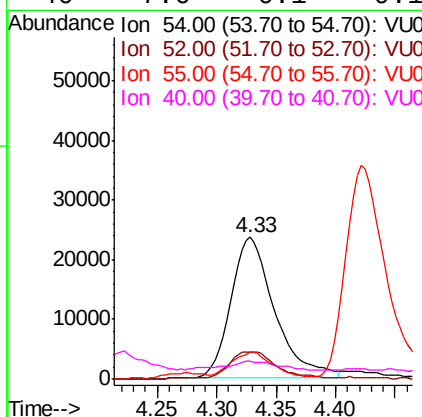
Manual Integrations
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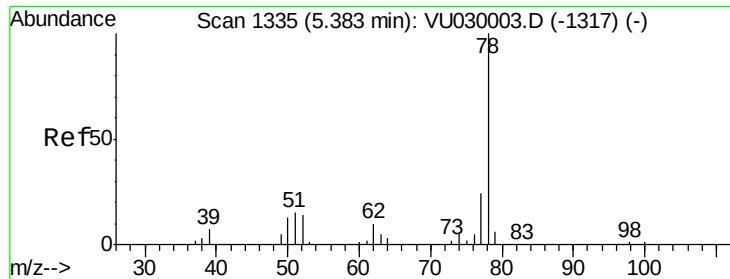
MMDadoda
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#34
Propionitrile
Concen: 49.314 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.7	15.8	23.6
55	15.6	12.5	18.7
40	7.6	6.1	9.1





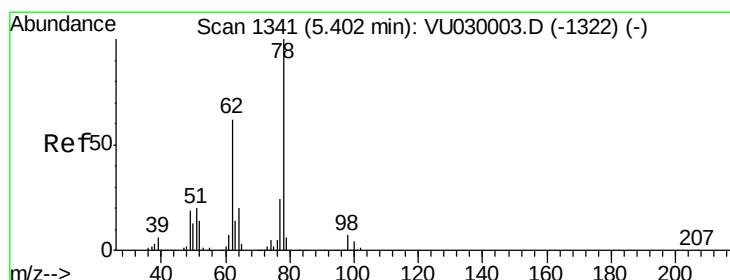
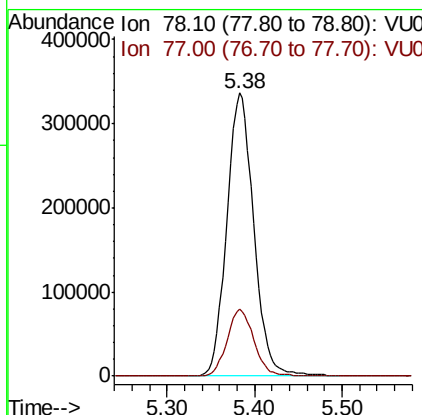
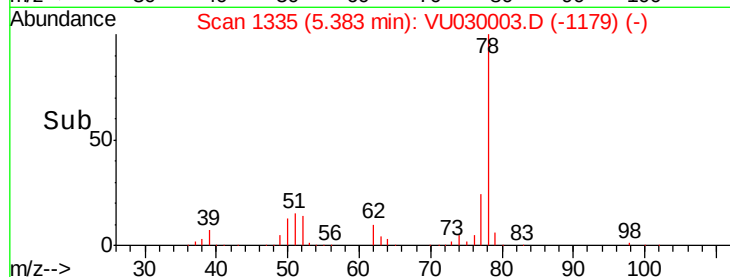
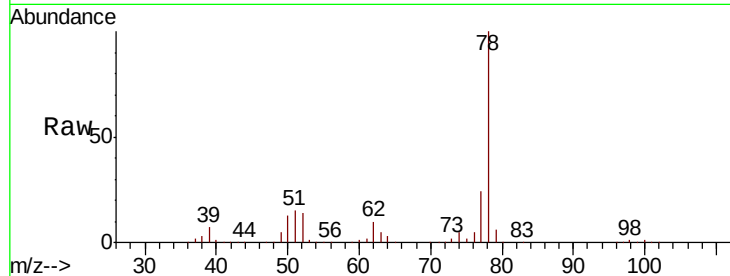
#35
Benzene
Concen: 9.836 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 78 Resp: 720755
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

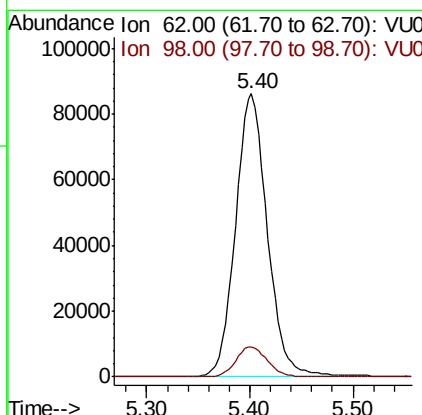
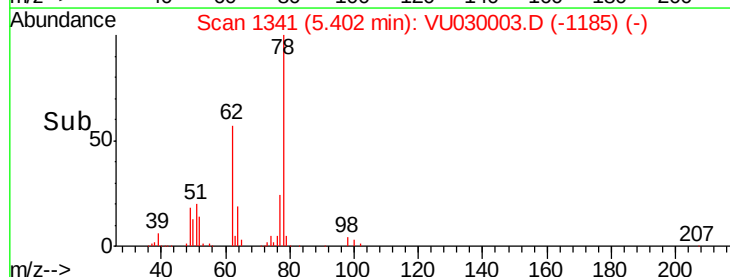
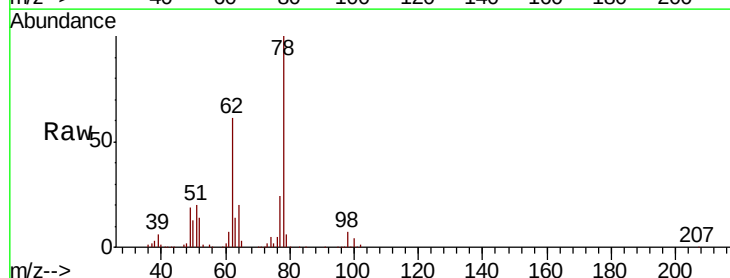
Manual Integrations
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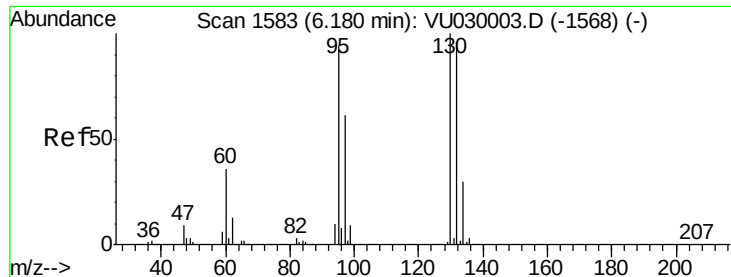
MMDadoda
3/13/2019 12:55:59 PM



#36
1,2-Dichloroethane
Concen: 9.458 ug/l
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion: 62 Resp: 185308
Ion Ratio Lower Upper
62 100
98 10.5 8.4 12.6





#37

Trichloroethene

Concen: 9.697 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:130 Resp: 204663

Ion Ratio Lower Upper

130 100

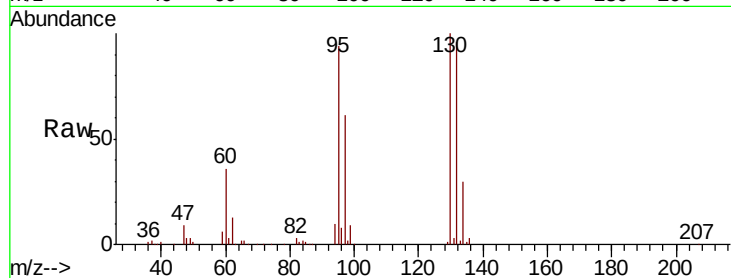
95 94.0 75.2 112.8

Manual Integrations

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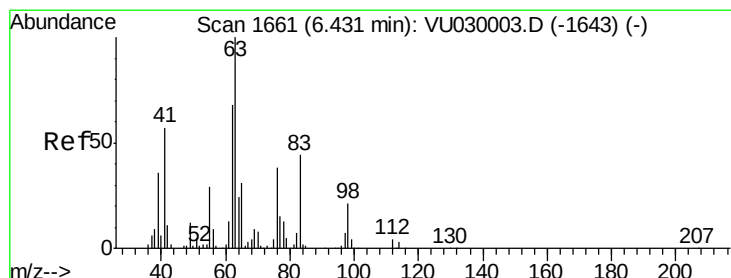
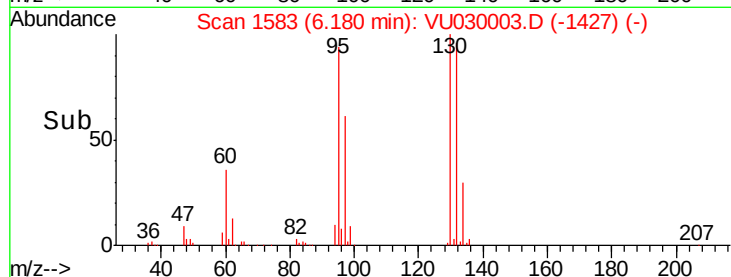
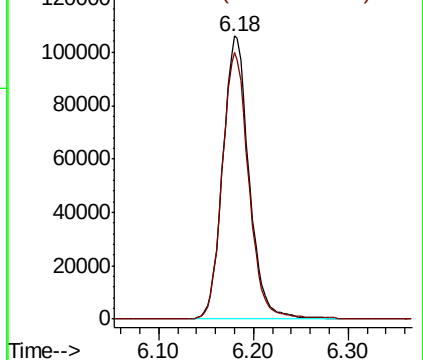
MMDadoda

3/13/2019 12:55:59 PM



Abundance Ion 129.90 (129.60 to 130.60): VU030003.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU030003.D (-1568) (-)



#38

1,2-Dichloropropane

Concen: 9.740 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU030003.D

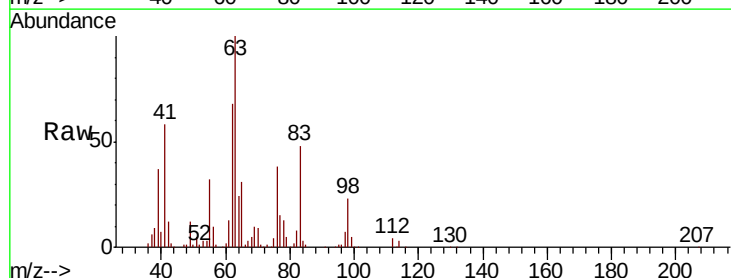
Acq: 12 Mar 2019 11:48

Tgt Ion: 63 Resp: 181424

Ion Ratio Lower Upper

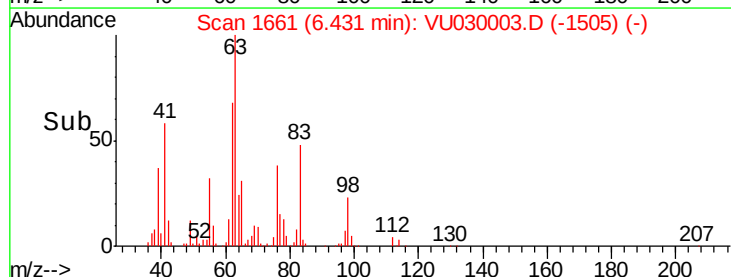
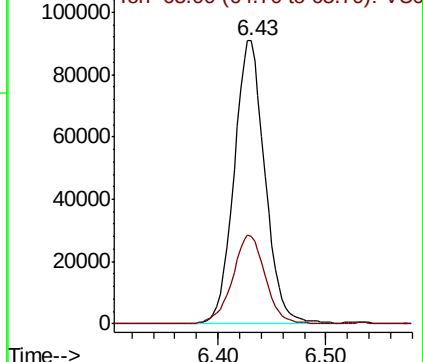
63 100

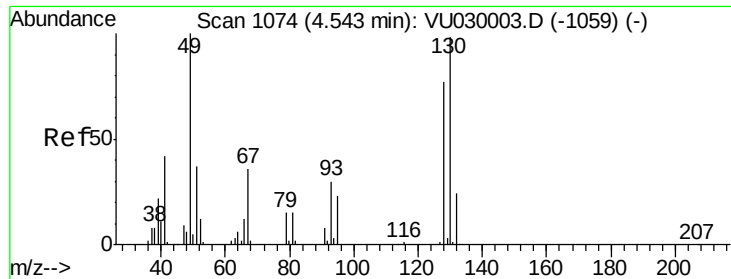
65 31.1 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VU030003.D (-1643) (-)

Ion 65.00 (64.70 to 65.70): VU030003.D (-1643) (-)





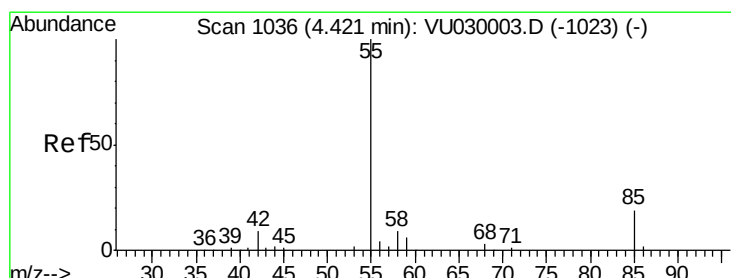
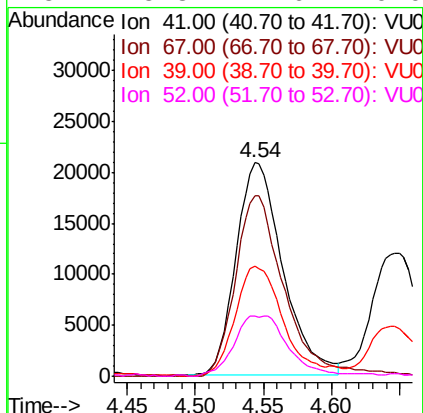
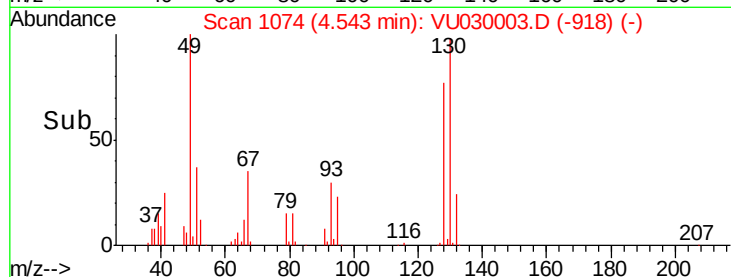
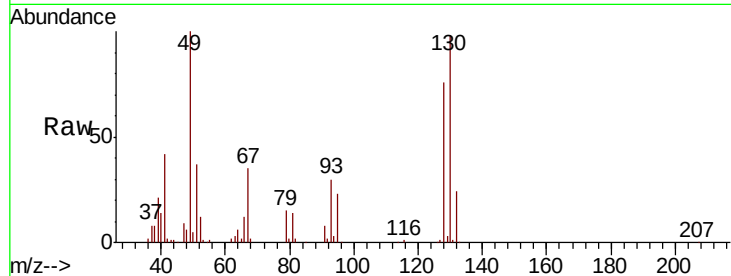
#39
Methacrylonitrile
Concen: 9.633 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
41	100		
67	89.2	71.4	107.0
39	52.4	41.9	62.9
52	15.8	12.6	19.0

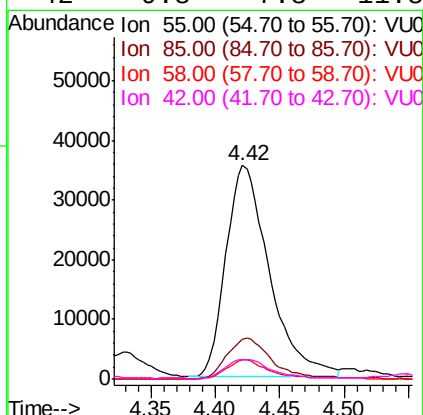
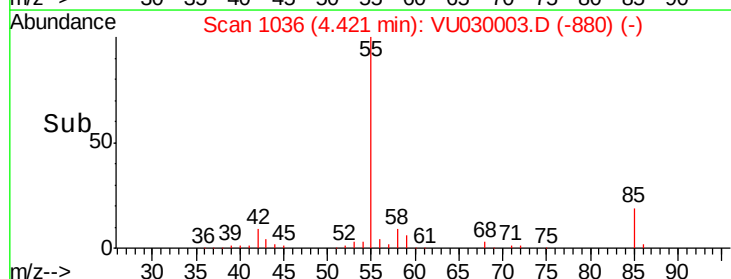
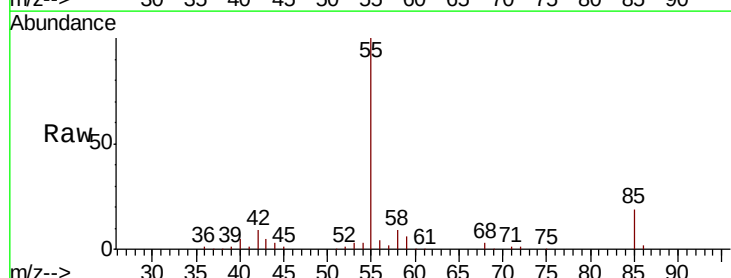
Manual Integrations
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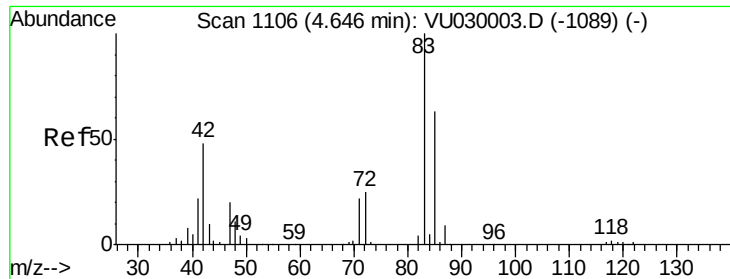
MMDadoda
3/13/2019 12:55:59 PM



#40
Methyl acrylate
Concen: 10.145 ug/l
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
55	100		
85	20.2	16.2	24.2
58	8.8	7.0	10.6
42	9.8	7.8	11.8





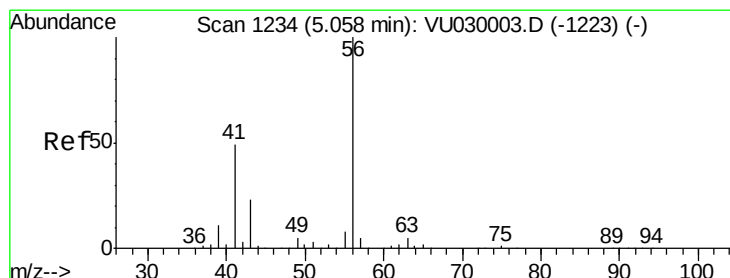
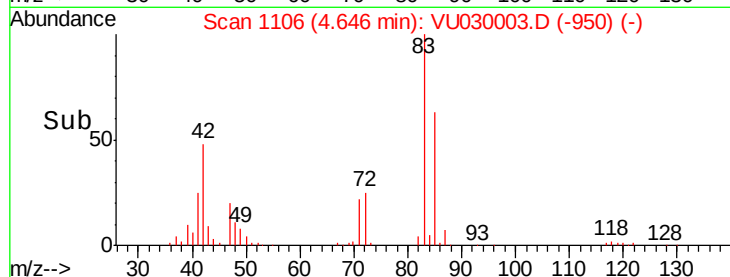
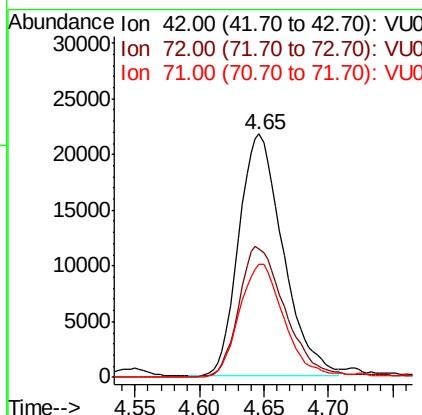
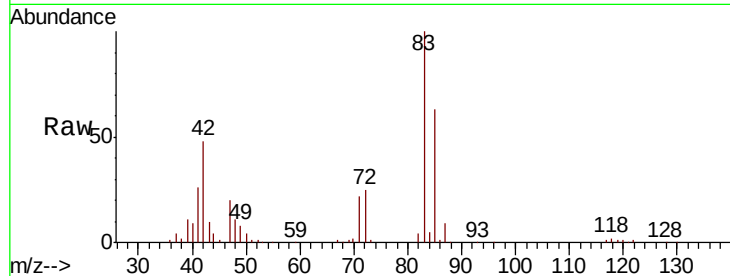
#41
Tetrahydrofuran
Concen: 18.236 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	56.1	44.9	67.3
71	47.3	37.8	56.8

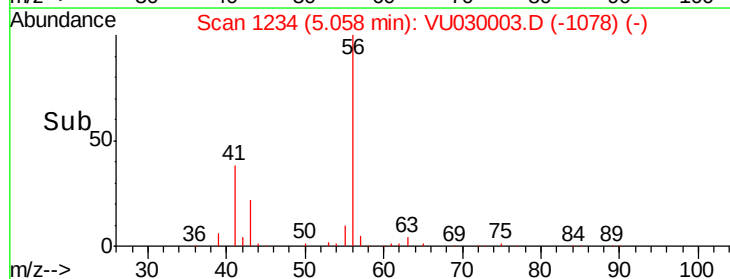
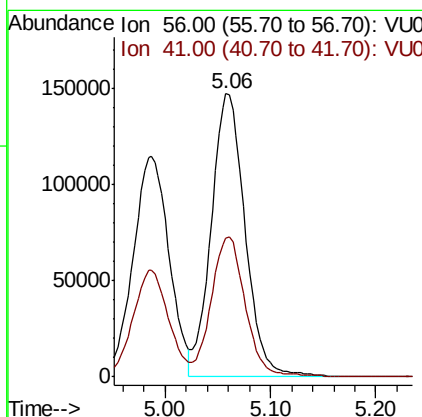
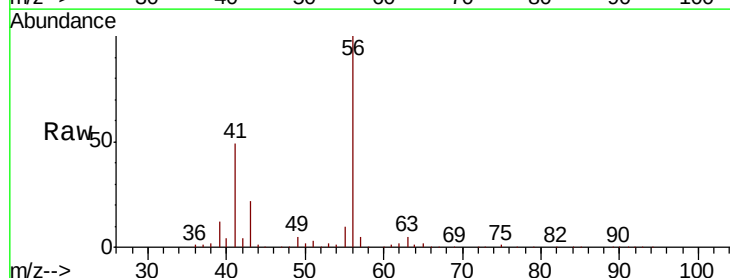
Manual Integrations
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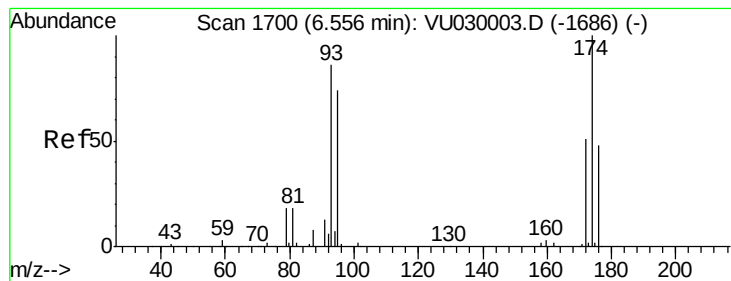
MMDadoda
3/13/2019 12:55:59 PM



#42
1-Chlorobutane
Concen: 9.955 ug/l
RT: 5.06 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
56	100		
41	49.4	24.7	74.1





#43

Dibromomethane

Concen: 9.620 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Instrument :

MSVOA_U

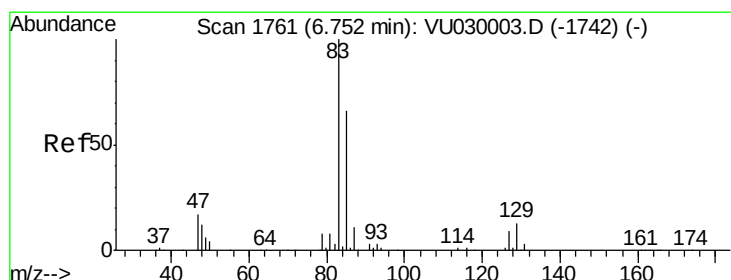
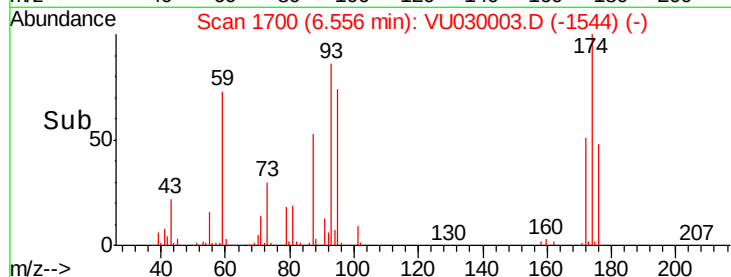
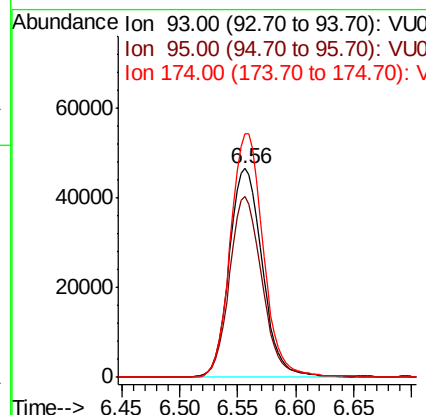
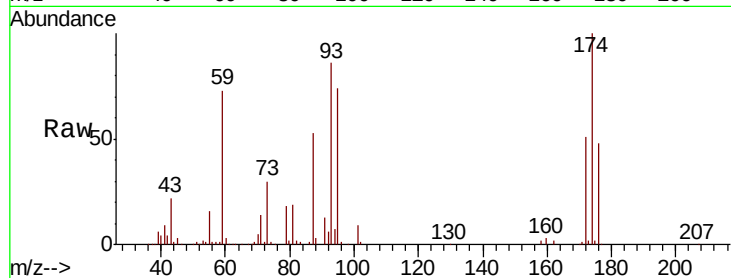
ClientSampleId :

VSTDICCC010

Tgt Ion:	93	Resp:	92710
Ion	Ratio	Lower	Upper
93	100		
95	85.7	68.6	102.8
174	114.8	91.8	137.8

Manual Integrations
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#44

Bromodichloromethane

Concen: 9.794 ug/l

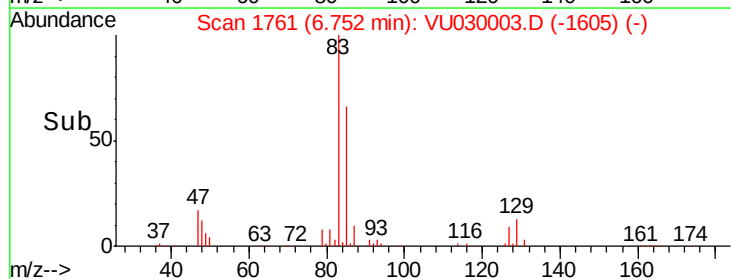
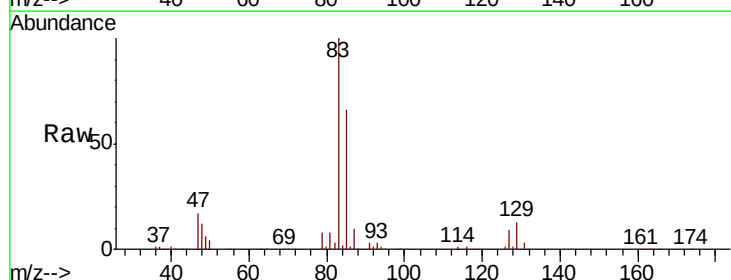
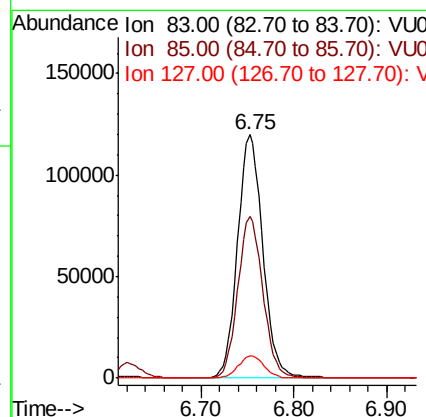
RT: 6.75 min Scan# 1761

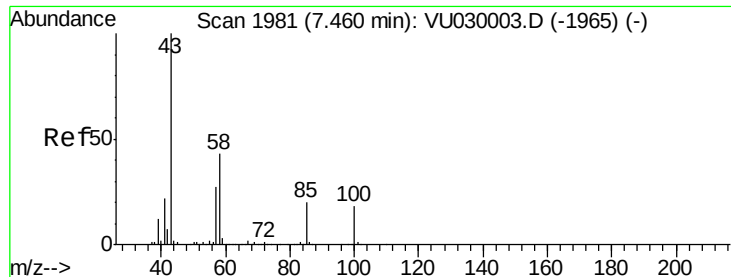
Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Tgt Ion:	83	Resp:	225173
Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.2	79.8
127	9.2	7.4	11.0





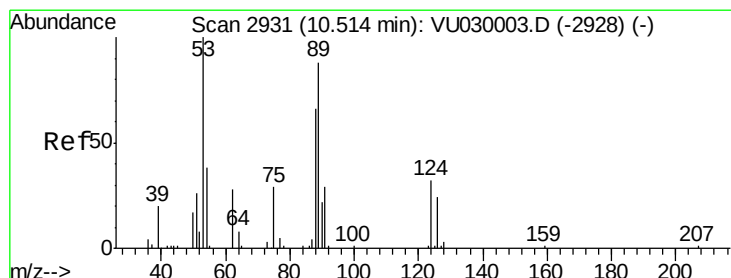
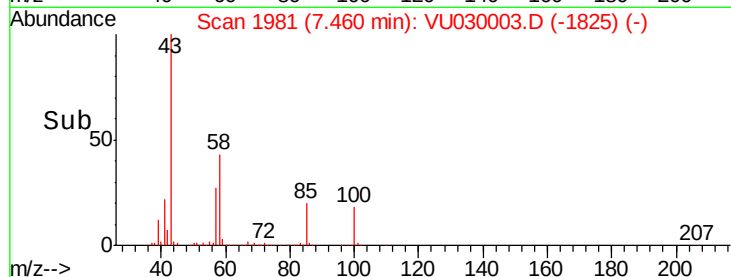
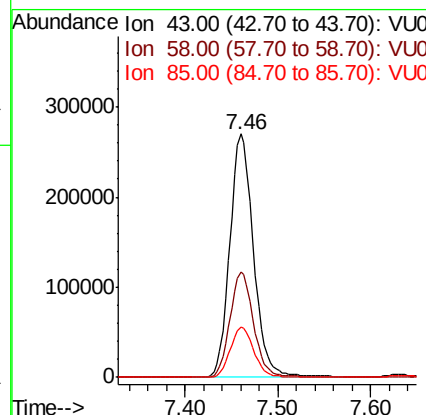
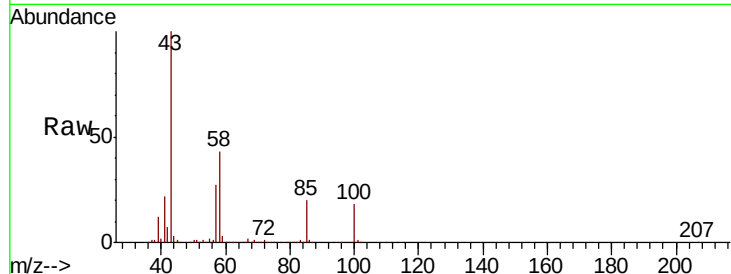
#45
 4-Methyl-2-Pentanone
 Concen: 50.492 ug/l
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.1	21.6	64.6
85	20.4	16.3	24.5

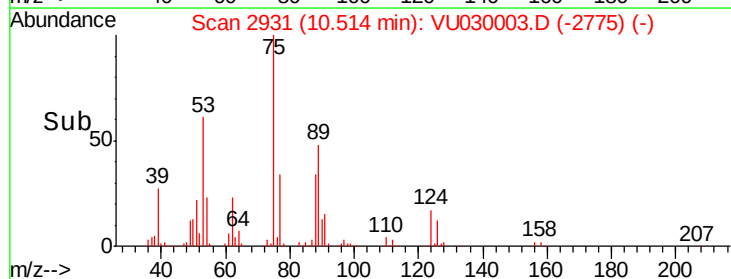
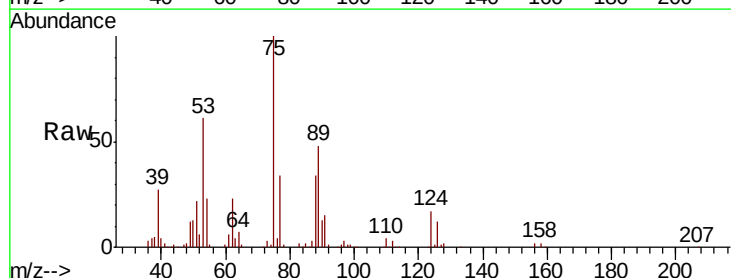
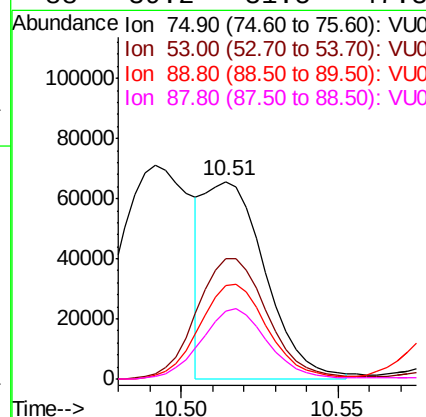
Manual Integrations
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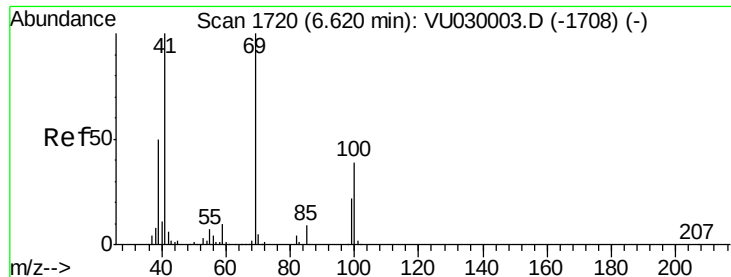
MMDadoda
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#46
 t-1,4-Dichloro-2-butene
 Concen: 24.036 ug/l m
 RT: 10.51 min Scan# 2931
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
53	71.0	57.0	85.6
89	54.3	43.6	65.4
88	39.2	31.5	47.3





#47

Methyl methacrylate

Concen: 20.792 ug/l

RT: 6.62 min Scan# 1720

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Instrument :

MSVOA_U

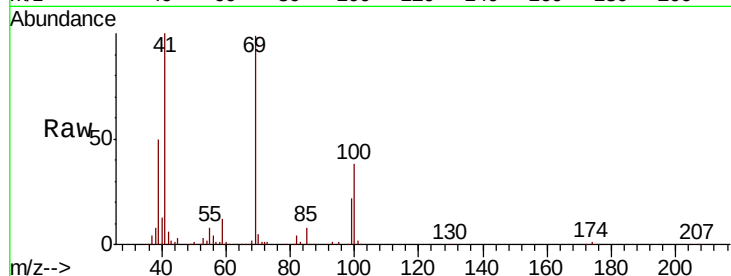
ClientSampleId :

VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
69	100		
41	98.9	0.0	197.8
39	50.3	40.2	60.4
100	38.8	31.0	46.6

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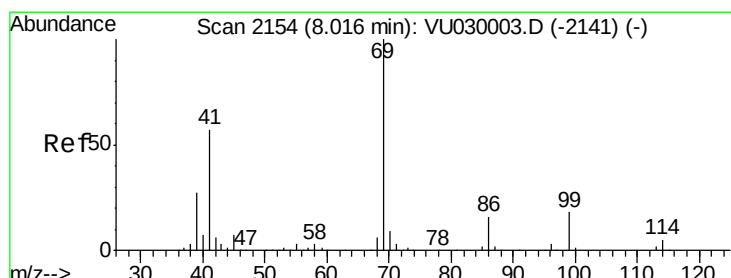
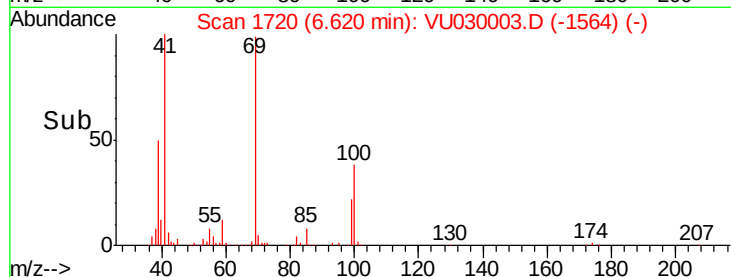
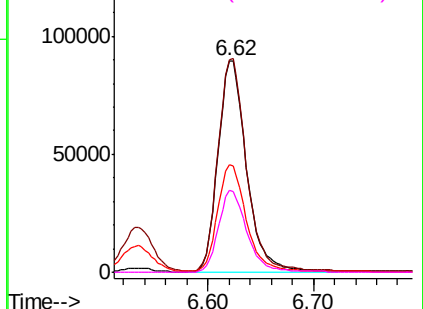


Abundance Ion 69.00 (68.70 to 69.70): VU030003.D (-1708) (-)

Ion 41.00 (40.70 to 41.70): VU030003.D (-1708) (-)

Ion 39.00 (38.70 to 39.70): VU030003.D (-1708) (-)

Ion 100.00 (99.70 to 100.70): VU030003.D (-1708) (-)



#48

Ethyl methacrylate

Concen: 10.954 ug/l

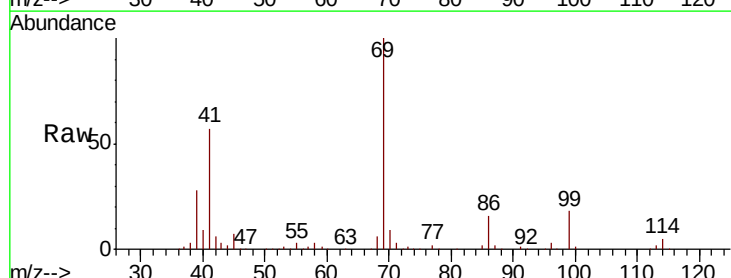
RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VU030003.D

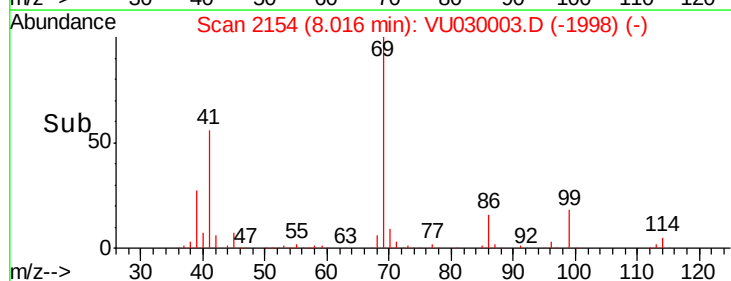
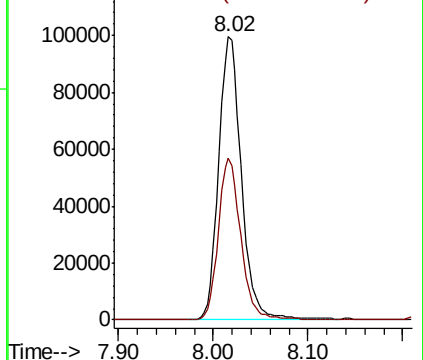
Acq: 12 Mar 2019 11:48

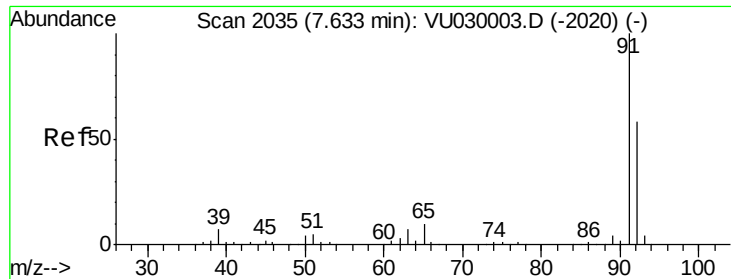
Tgt Ion	Ratio	Lower	Upper
69	100		
41	56.3	28.1	84.4



Abundance Ion 69.00 (68.70 to 69.70): VU030003.D (-2141) (-)

Ion 41.00 (40.70 to 41.70): VU030003.D (-2141) (-)





#49

Toluene

Concen: 10.186 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 92 Resp: 449737

Ion Ratio Lower Upper

92 100

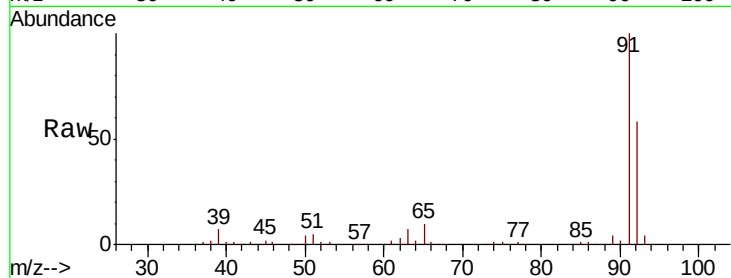
91 175.1 140.1 210.1

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VU030003.D (-2020) (-)

Ion 91.00 (90.70 to 91.70): VU030003.D (-2020) (-)

500000

400000

300000

200000

100000

0

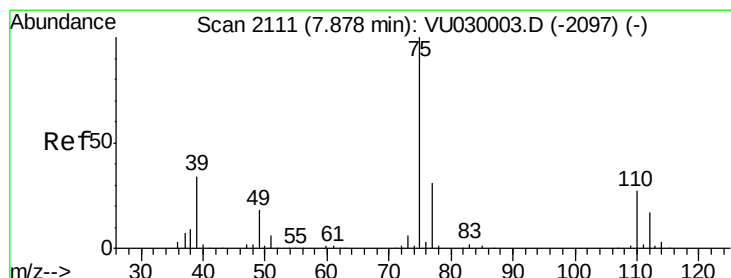
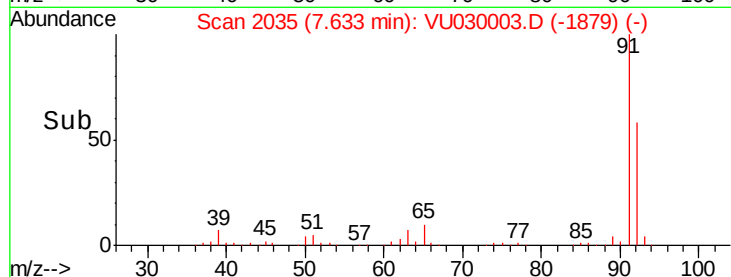
7.63

7.60

7.70

7.80

Time-->



#50

t-1,3-Dichloropropene

Concen: 10.454 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030003.D

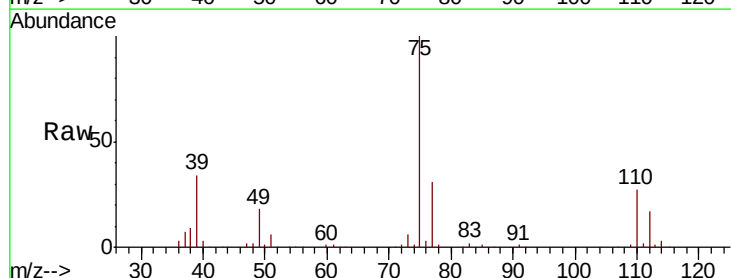
Acq: 12 Mar 2019 11:48

Tgt Ion: 75 Resp: 215224

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VU030003.D (-2097) (-)

Ion 77.00 (76.70 to 77.70): VU030003.D (-2097) (-)

150000

100000

50000

0

7.88

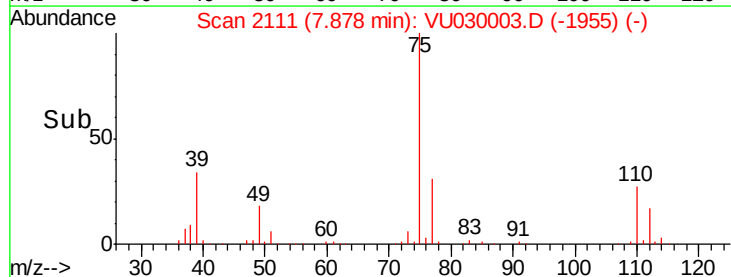
7.80

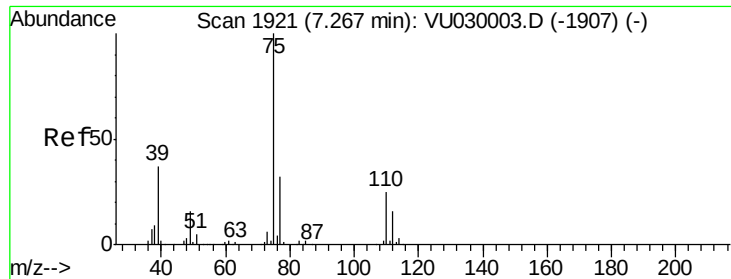
7.85

7.90

7.95

Time-->





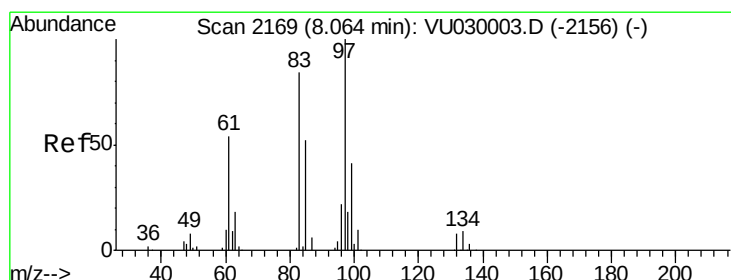
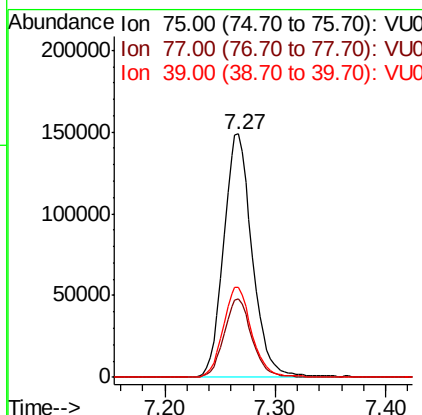
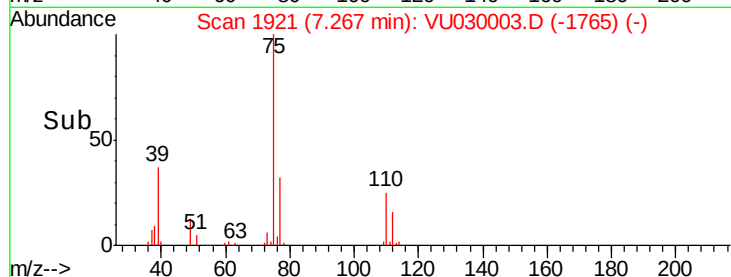
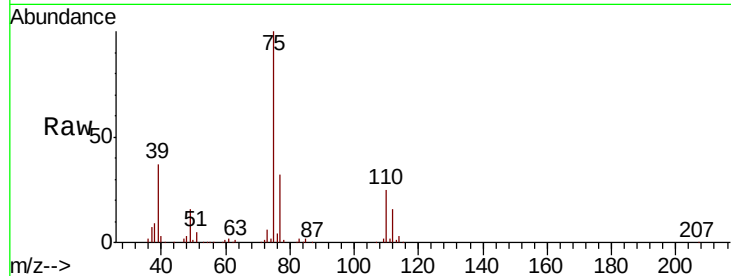
#51
 cis-1,3-Dichloropropene
 Concen: 10.275 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.0	39.0
39	36.9	29.5	44.3

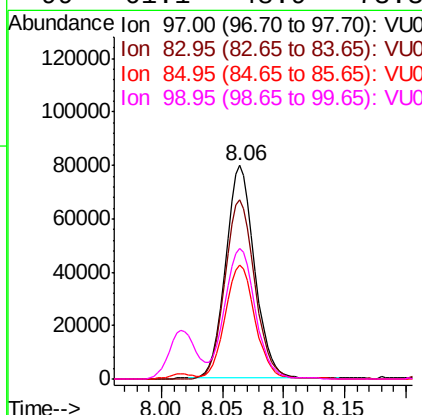
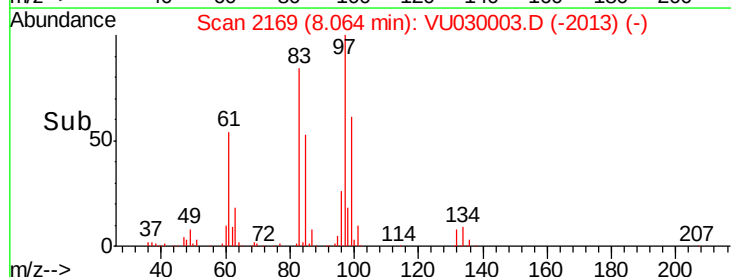
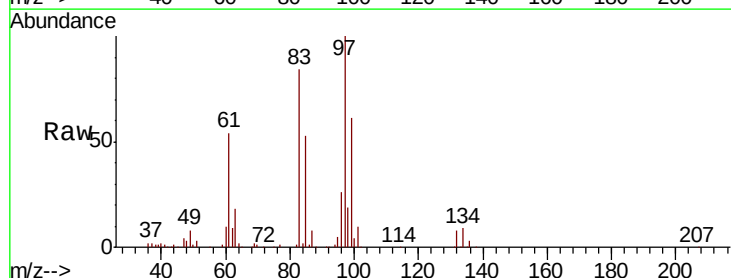
Manual Integrations
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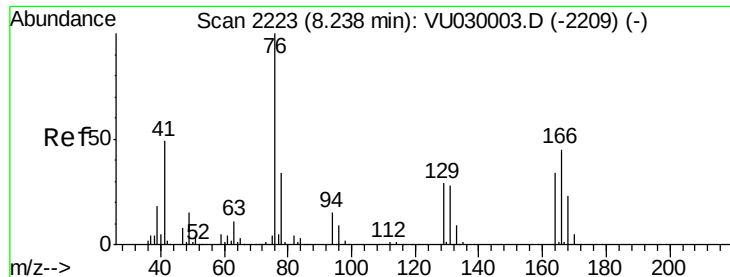
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#52
 1,1,2-Trichloroethane
 Concen: 9.733 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.4	101.0
85	53.3	42.6	64.0
99	61.1	48.9	73.3





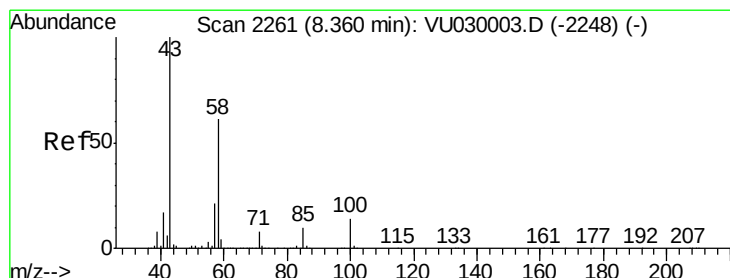
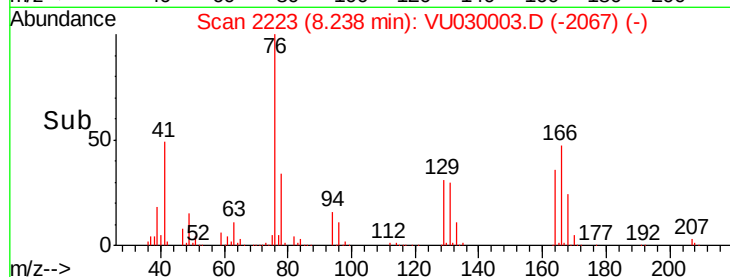
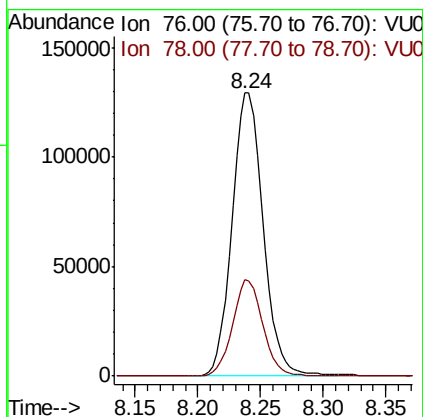
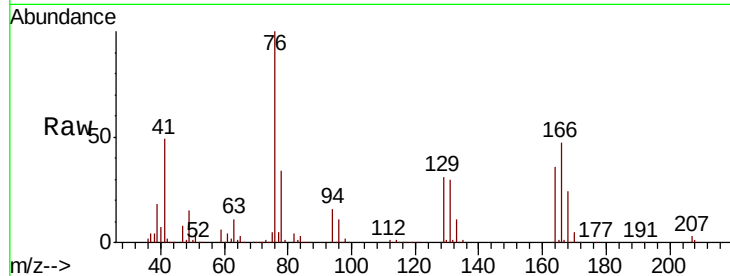
#53
 1,3-Dichloropropane
 Concen: 9.799 ug/l
 RT: 8.24 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC010

Tgt Ion: 76 Resp: 223284
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.4 39.6

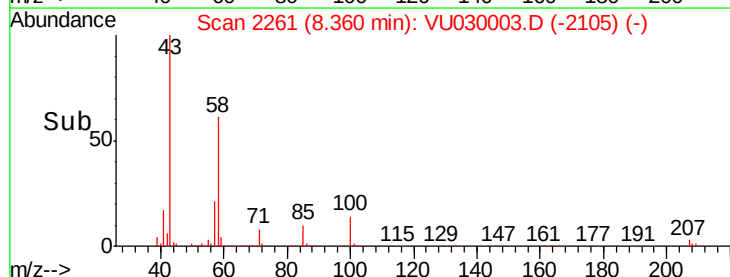
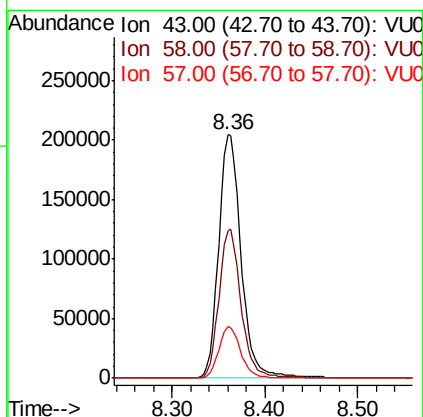
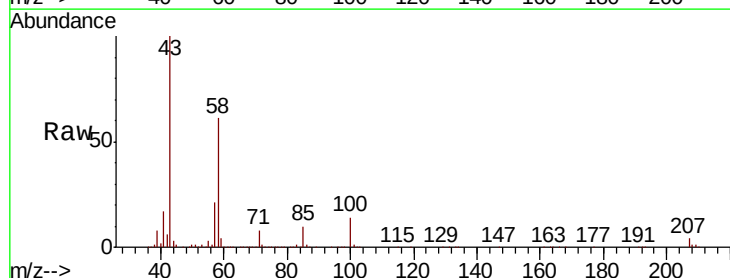
Manual Integrations
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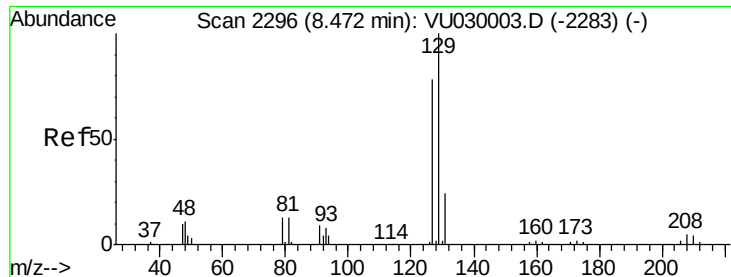
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#54
 2-Hexanone
 Concen: 49.938 ug/l
 RT: 8.36 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Tgt Ion: 43 Resp: 342584
 Ion Ratio Lower Upper
 43 100
 58 60.3 40.3 80.3
 57 20.6 0.6 40.6





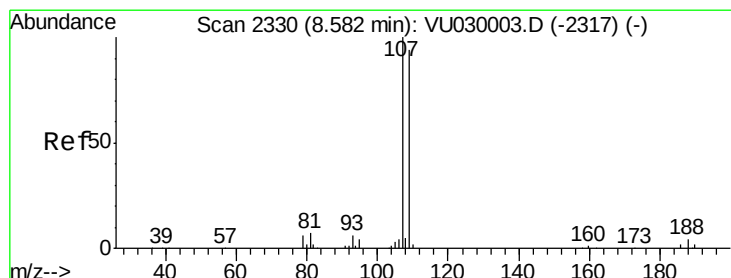
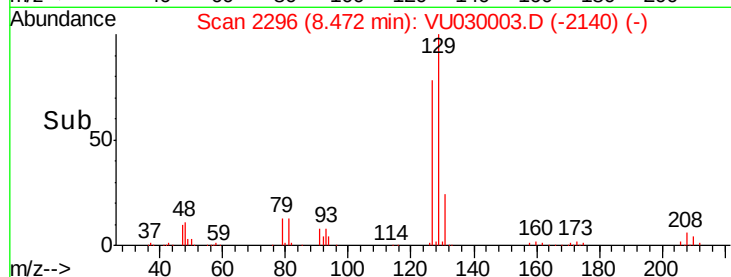
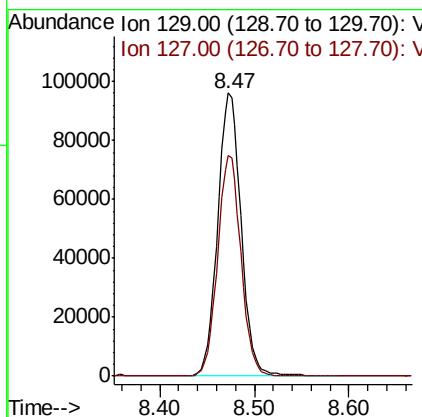
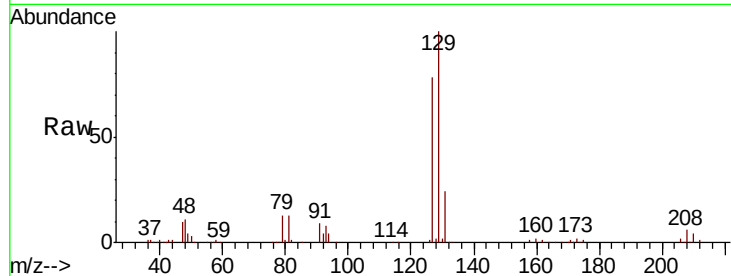
#55
 Dibromochloromethane
 Concen: 10.018 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion:129 Resp: 164183
 Ion Ratio Lower Upper
 129 100
 127 78.0 62.4 93.6

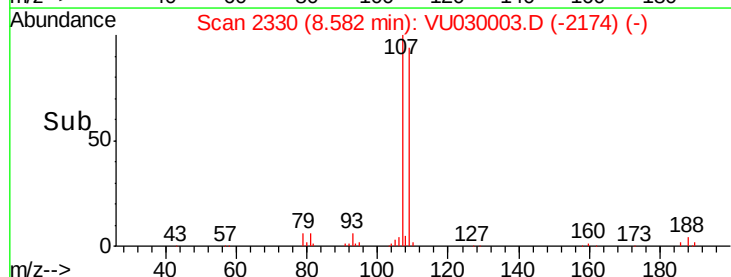
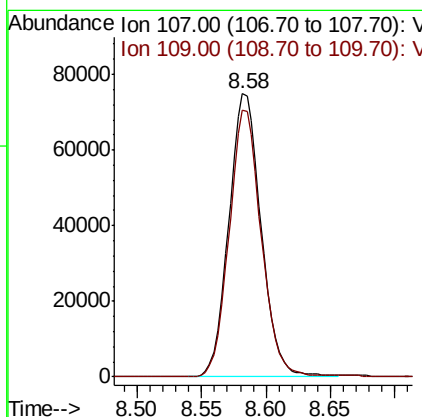
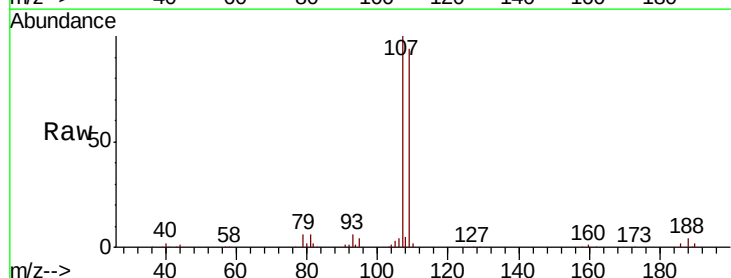
Manual Integrations
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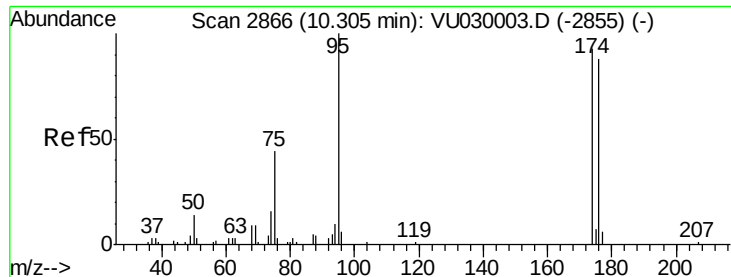
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#56
 1,2-Dibromoethane
 Concen: 9.915 ug/l
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Tgt Ion:107 Resp: 130006
 Ion Ratio Lower Upper
 107 100
 109 93.4 0.0 186.8





#57

4-Bromofluorobenzene

Concen: 9.915 ug/l

RT: 10.31 min Scan# 2866

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 95 Resp: 22907

Ion Ratio Lower Upper

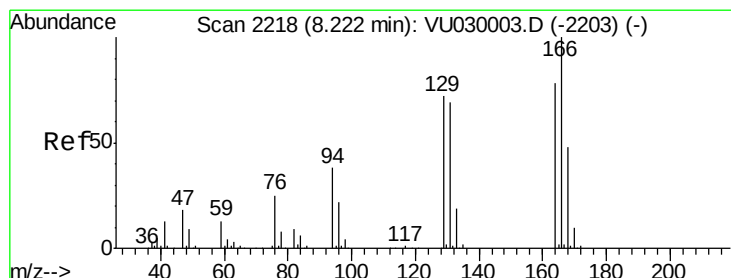
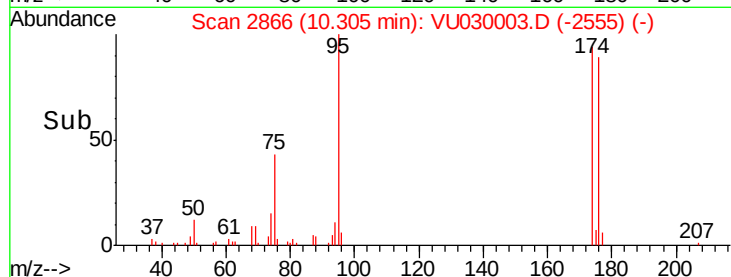
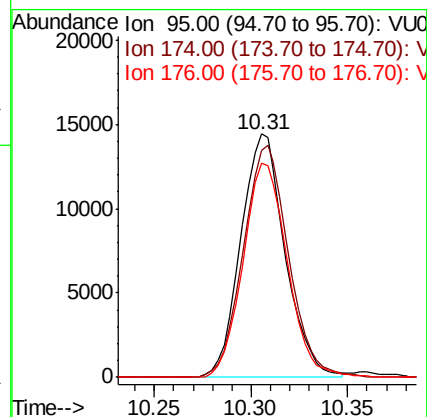
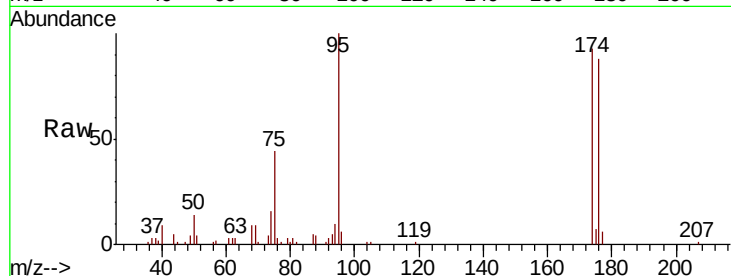
95 100

174 97.6 78.1 117.1

176 88.5 70.8 106.2

Manual Integrations
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#58

Tetrachloroethene

Concen: 9.820 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Tgt Ion: 164 Resp: 188206

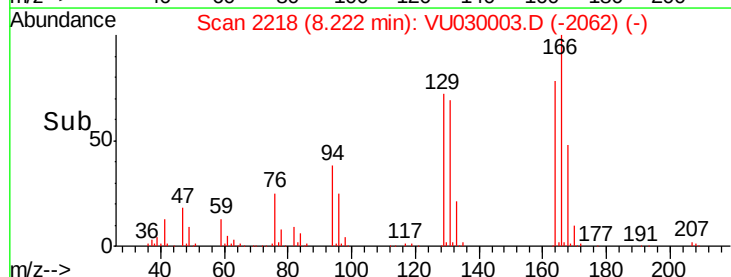
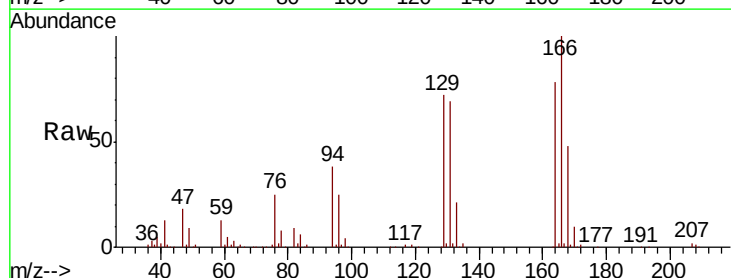
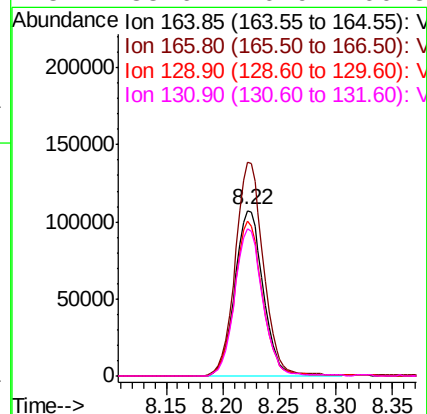
Ion Ratio Lower Upper

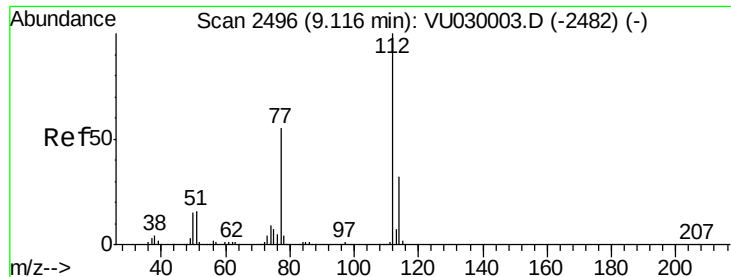
164 100

166 129.0 103.2 154.8

129 93.1 74.5 111.7

131 88.6 70.9 106.3





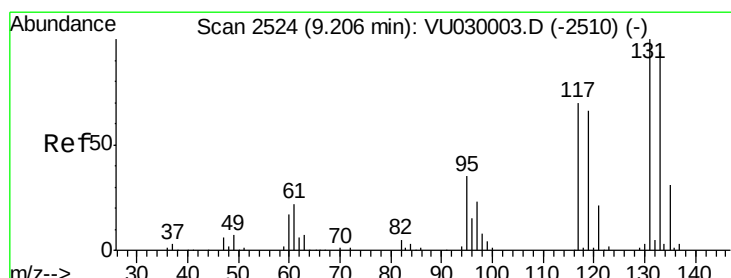
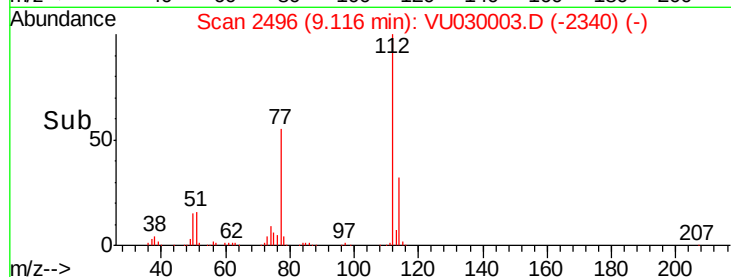
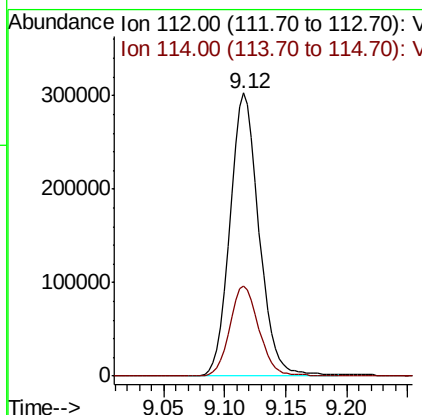
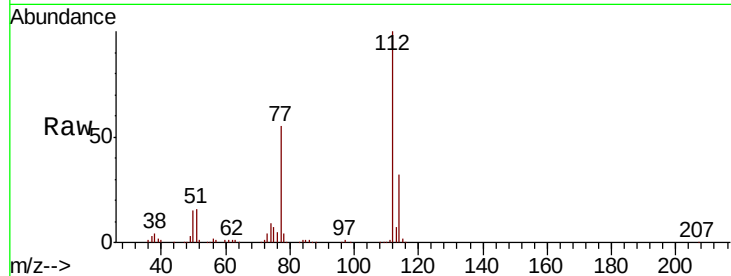
#59
Chlorobenzene
Concen: 9.995 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	504266		
114	32.0	25.6	38.4	

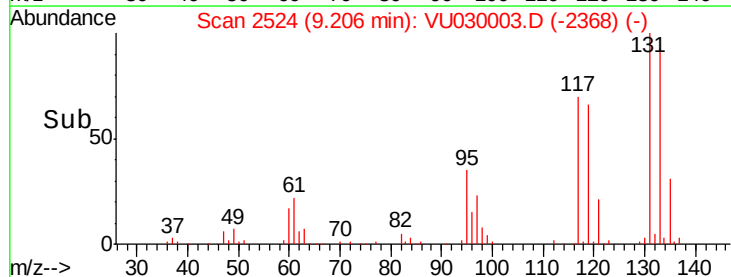
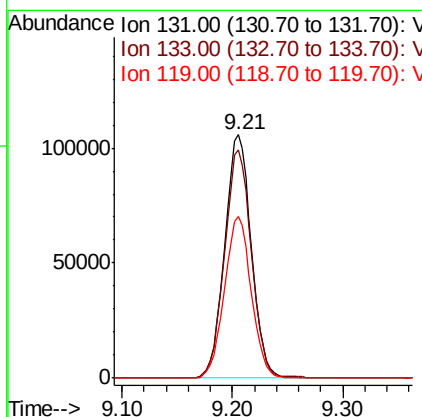
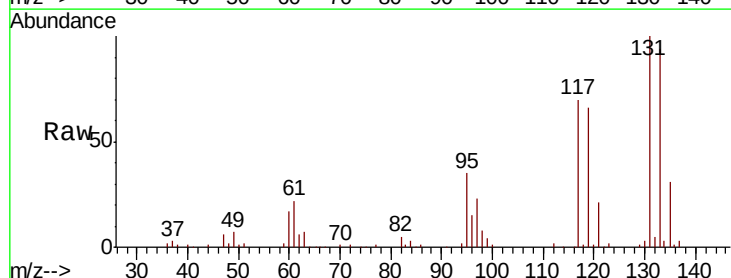
Manual Integrations
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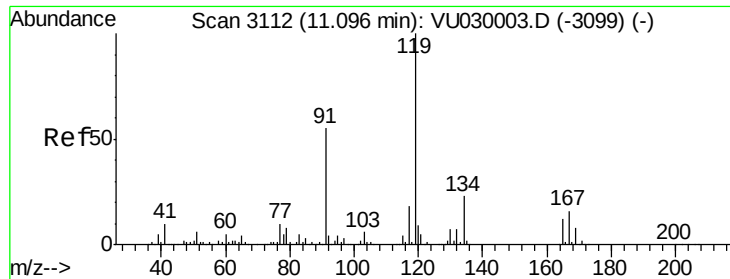
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#60
1,1,1,2-Tetrachloroethane
Concen: 9.923 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	176840		
133	94.5	75.6	113.4	
119	66.6	53.3	79.9	





#61

Pentachloroethane

Concen: 9.888 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:117 Resp: 135993

Ion Ratio Lower Upper

117 100

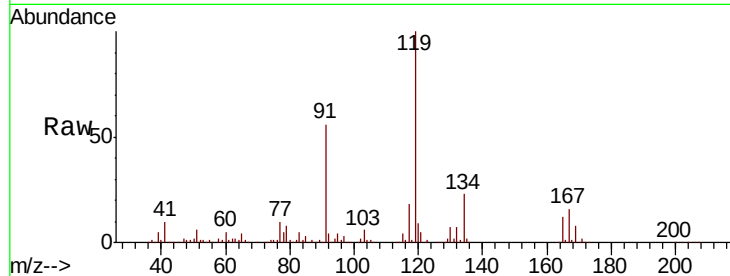
167 91.4 73.1 109.7

Manual Integrations

APPROVED

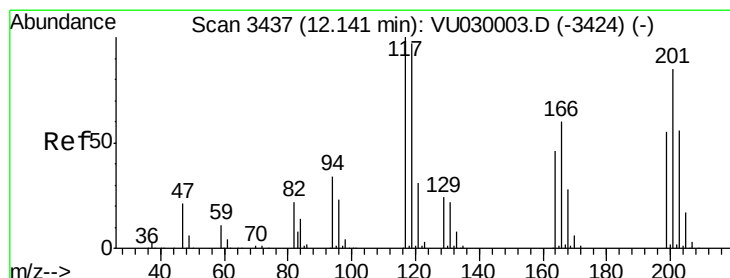
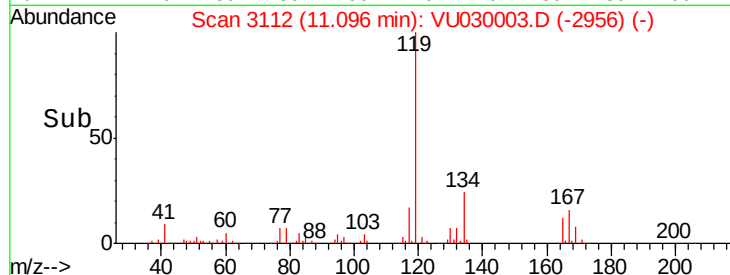
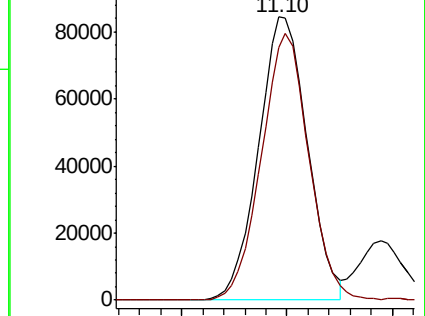
MMDadoda

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 10.360 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU030003.D

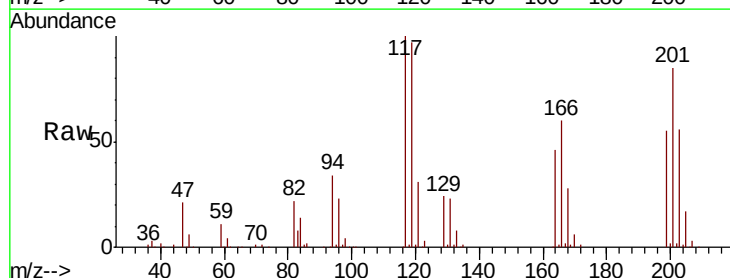
Acq: 12 Mar 2019 11:48

Tgt Ion:117 Resp: 143555

Ion Ratio Lower Upper

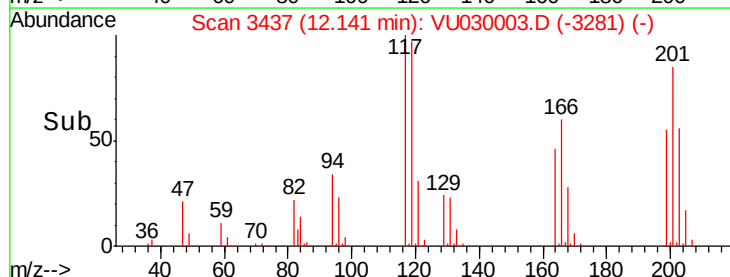
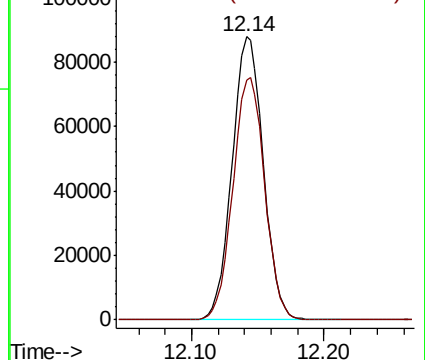
117 100

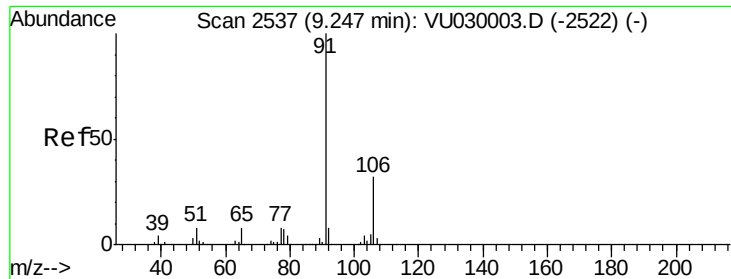
201 86.9 69.5 104.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





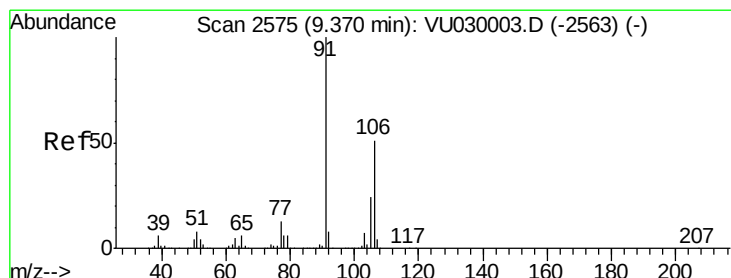
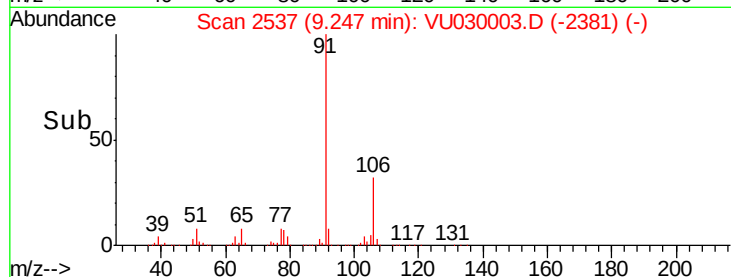
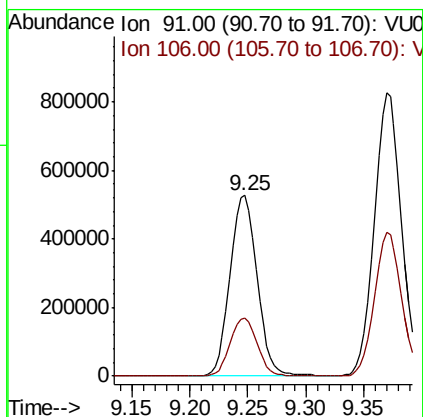
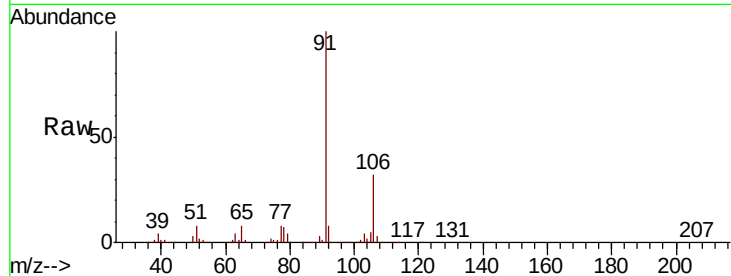
#63
Ethyl Benzene
Concen: 10.289 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 852487
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5

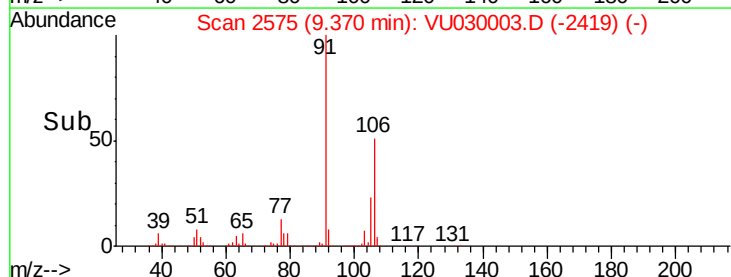
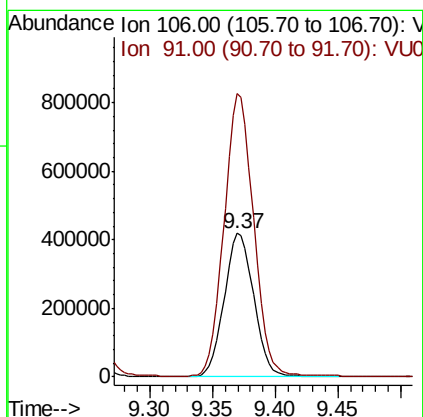
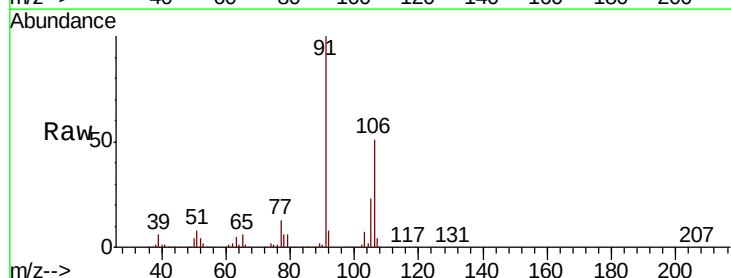
Manual Integrations
APPROVED

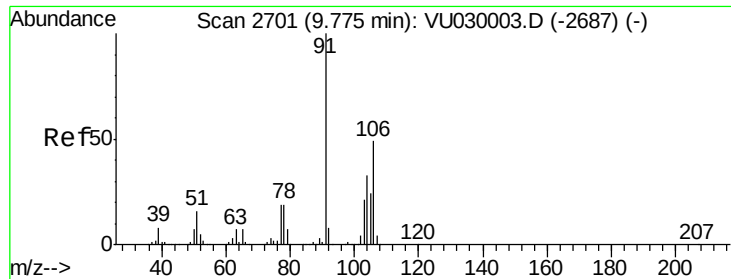
MMDadoda
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#64
m/p-Xylenes
Concen: 21.077 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion: 106 Resp: 687083
Ion Ratio Lower Upper
106 100
91 197.4 157.9 236.9





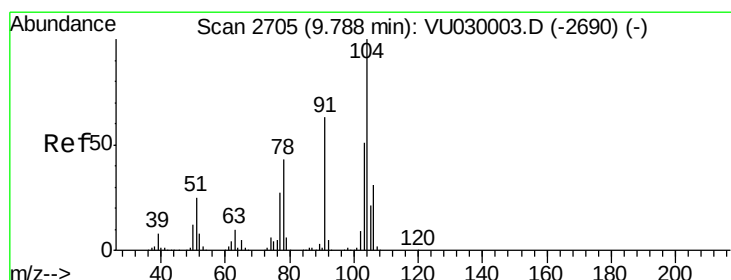
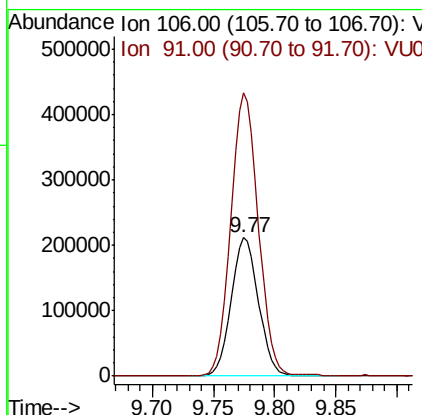
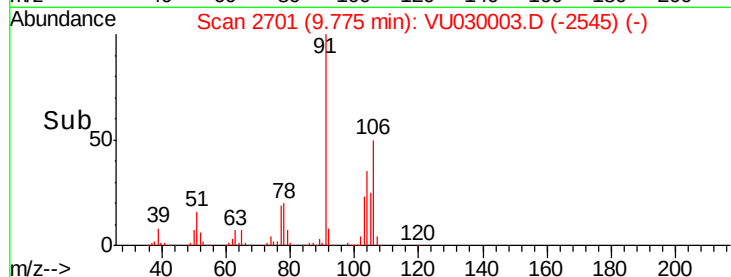
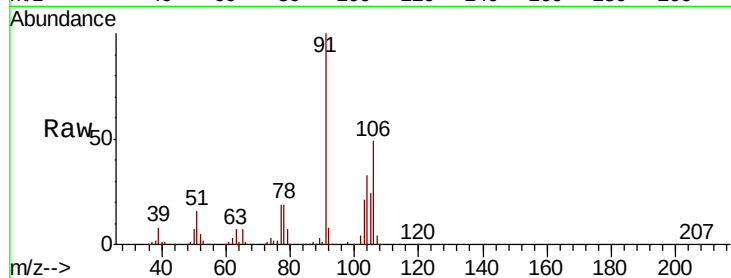
#65
o-Xylene
Concen: 10.351 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:106 Resp: 330985
Ion Ratio Lower Upper
106 100
91 206.3 103.2 309.4

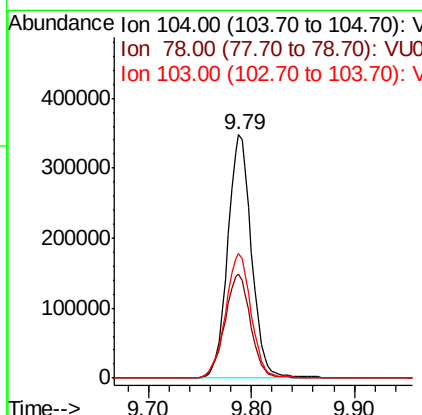
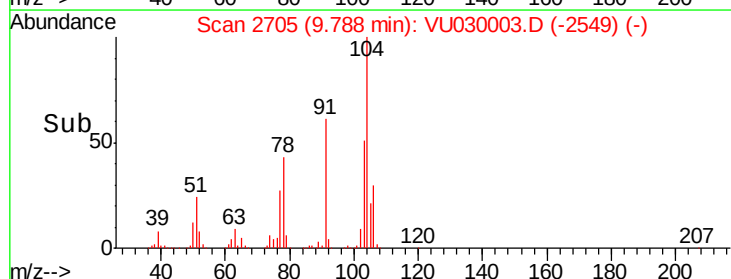
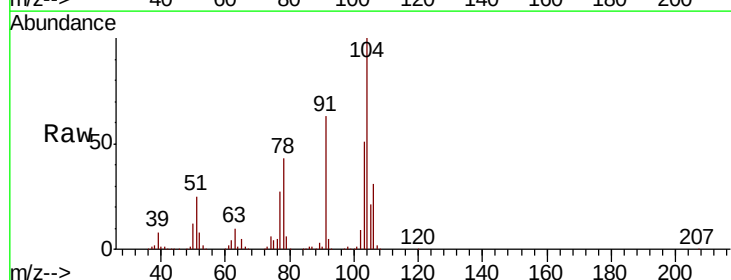
Manual Integrations
APPROVED

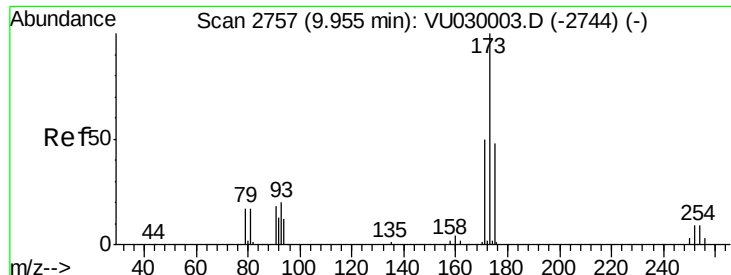
MMDadoda
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#66
Styrene
Concen: 10.709 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion:104 Resp: 561207
Ion Ratio Lower Upper
104 100
78 46.2 37.0 55.4
103 54.7 43.8 65.6





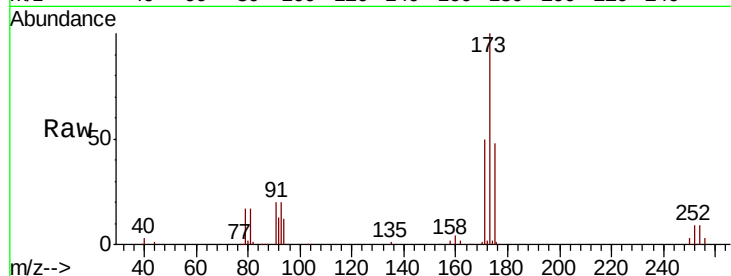
#67
Bromoform
Concen: 10.361 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.4
254	8.7	7.0	10.4

Manual Integrations
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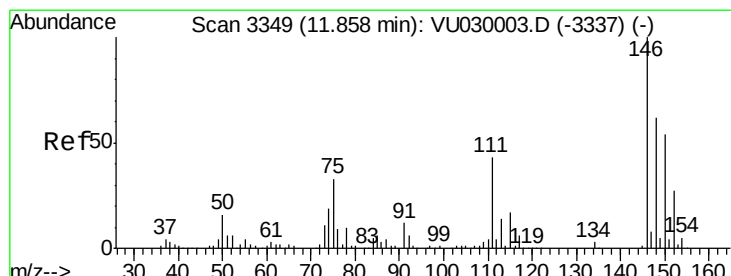
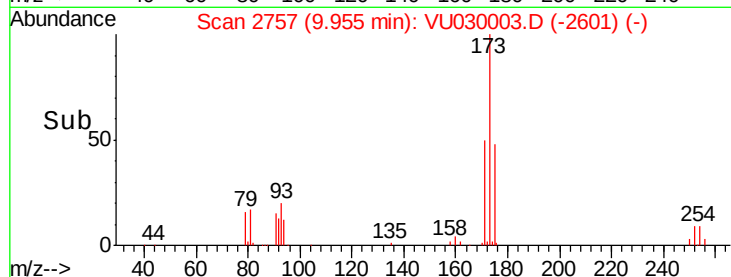
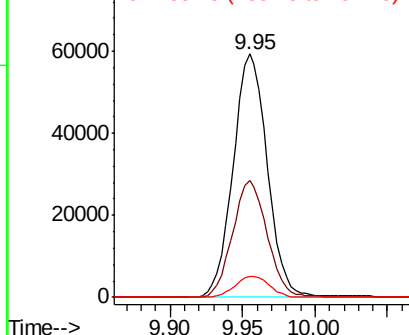


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 10.361 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

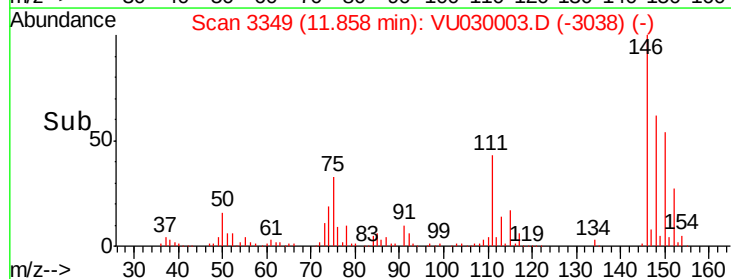
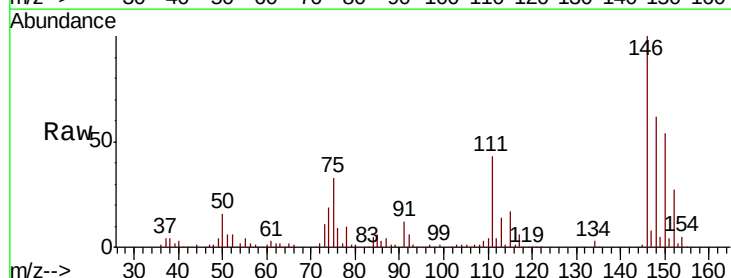
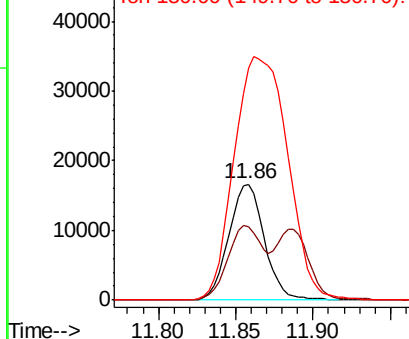
Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	0.0	126.8
150	317.1	0.0	634.2

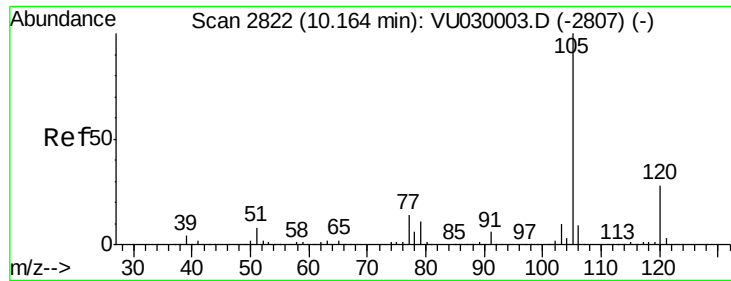
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





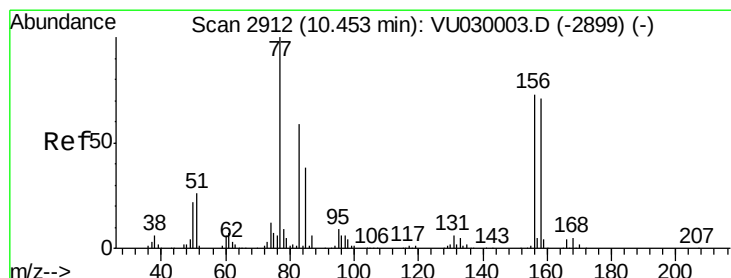
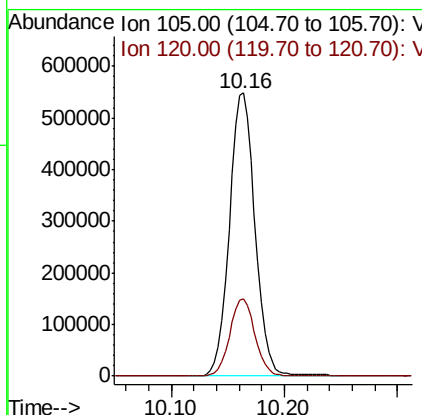
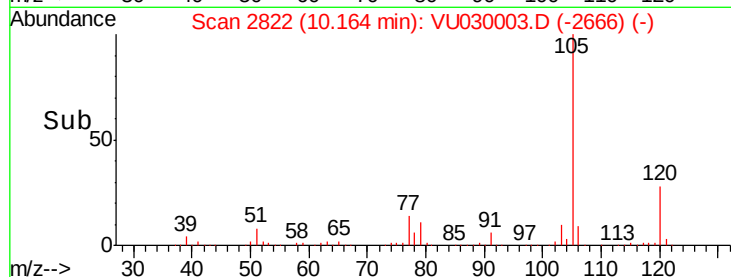
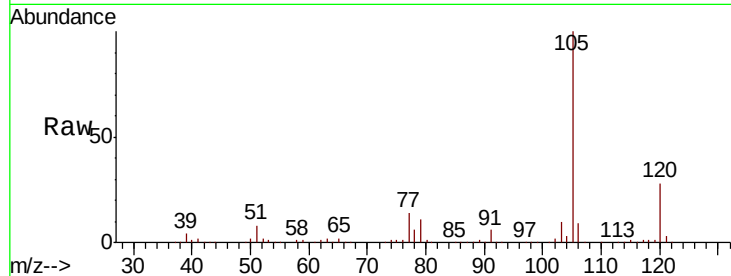
#69
Isopropylbenzene
Concen: 10.352 ug/l
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 105 Resp: 862999
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.5

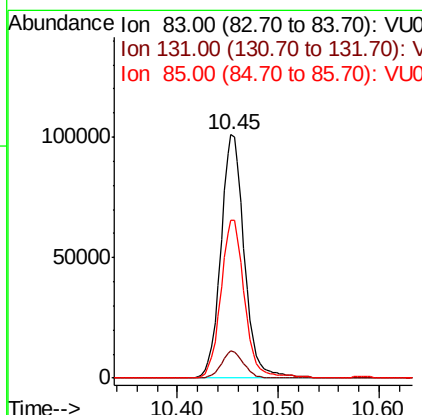
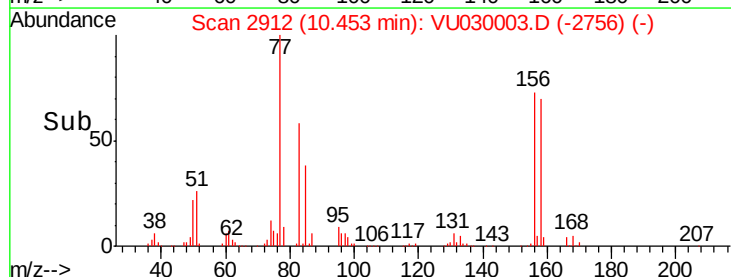
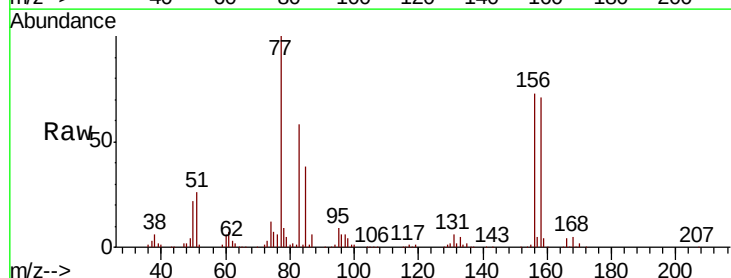
Manual Integrations
APPROVED

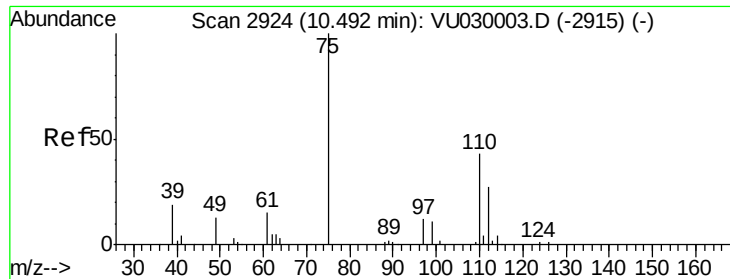
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#70
1,1,2,2-Tetrachloroethane
Concen: 9.780 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion: 83 Resp: 164222
Ion Ratio Lower Upper
83 100
131 10.5 8.4 12.6
85 65.7 52.6 78.8





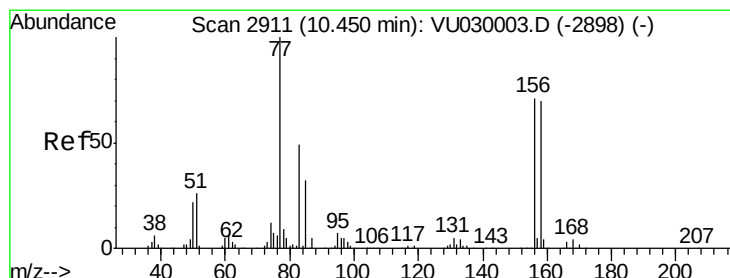
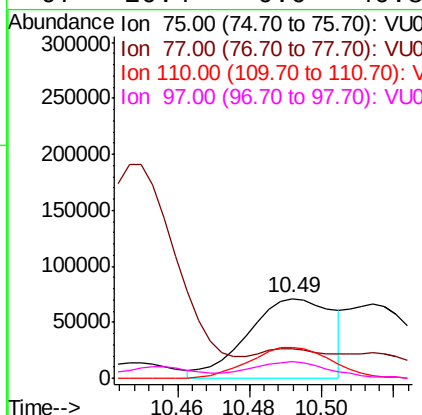
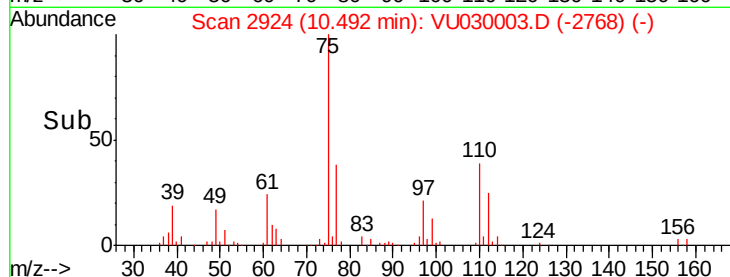
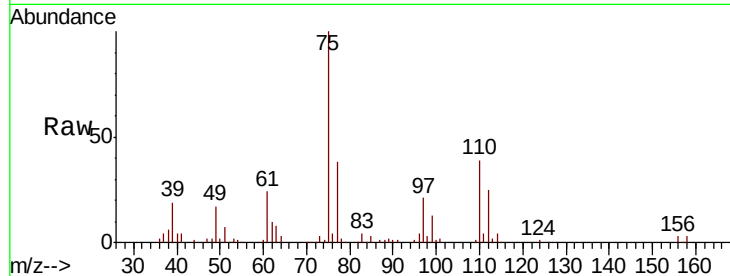
#71
1,2,3-Trichloropropane
Concen: 9.343 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
75	100		
77	8.4	0.0	16.8
110	38.4	0.0	76.8
97	20.4	0.0	40.8

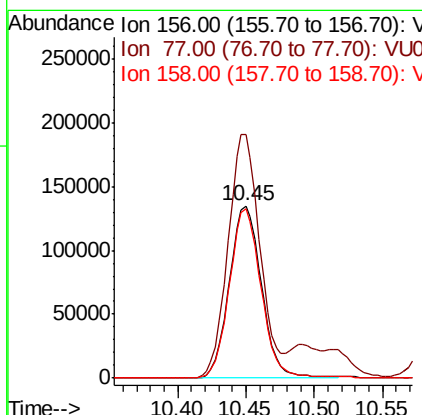
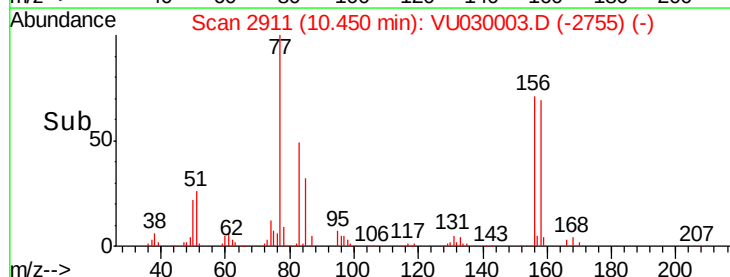
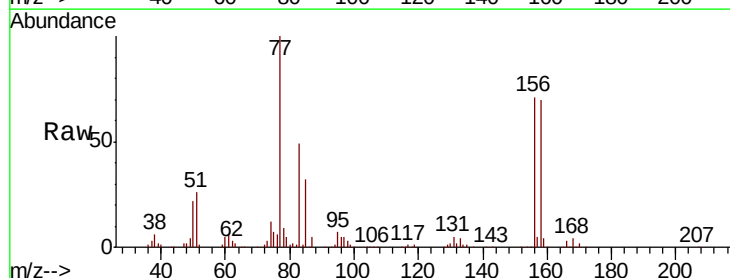
Manual Integrations
APPROVED

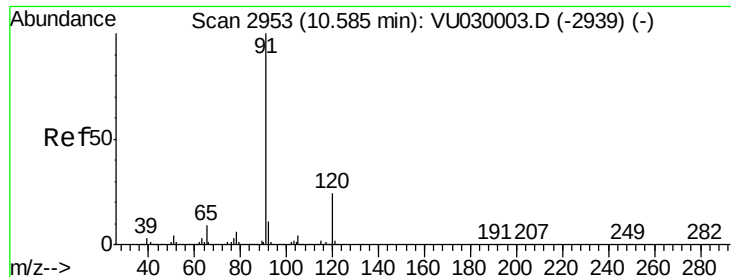
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#72
Bromobenzene
Concen: 10.131 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
156	100		
77	139.3	0.0	278.6
158	97.6	0.0	195.2





#73

n-propylbenzene

Concen: 10.550 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:120 Resp: 249511

Ion Ratio Lower Upper

120 100

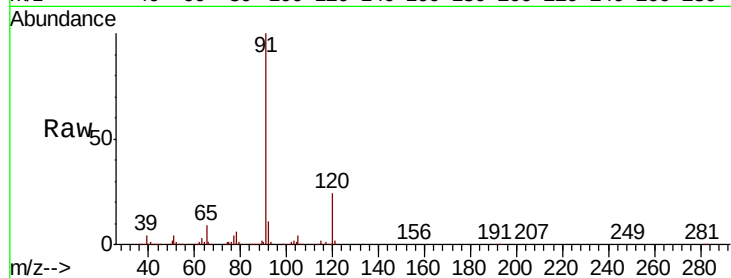
91 419.2 335.4 503.0

Manual Integrations

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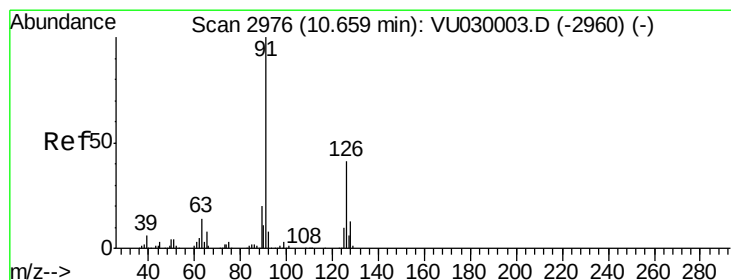
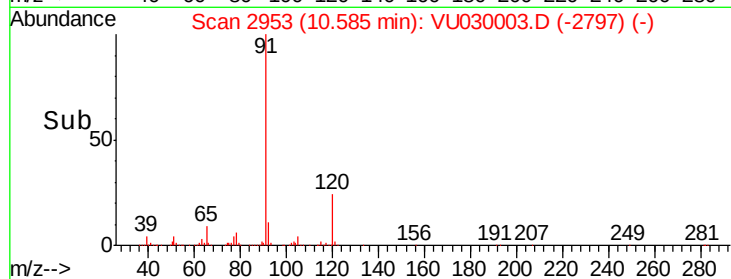
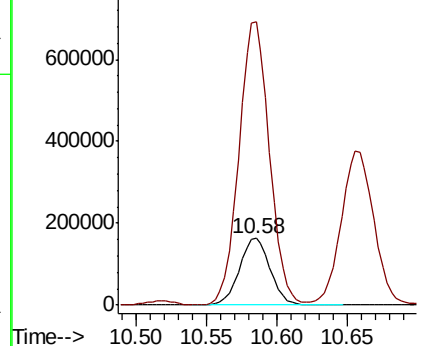
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.236 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU030003.D

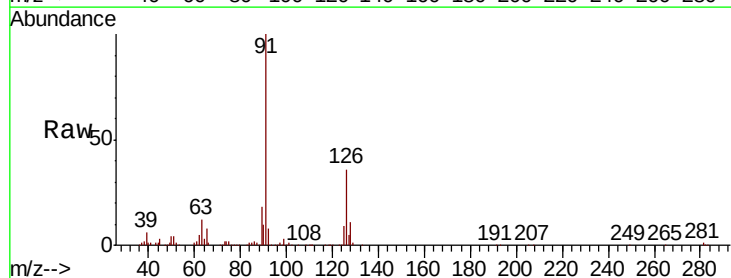
Acq: 12 Mar 2019 11:48

Tgt Ion:126 Resp: 212000

Ion Ratio Lower Upper

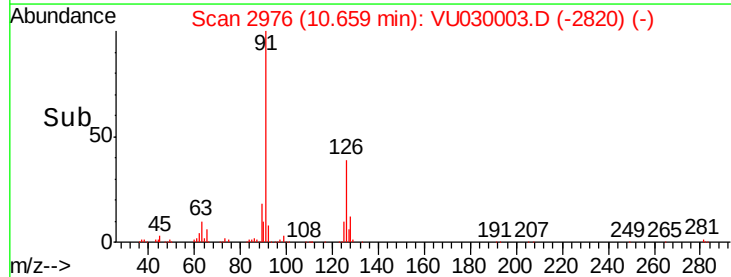
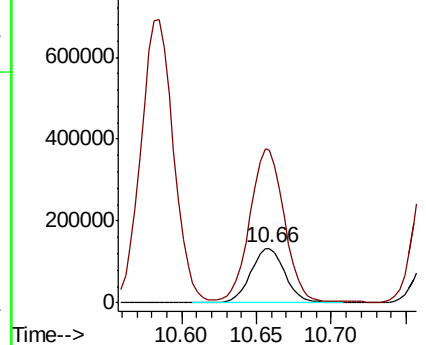
126 100

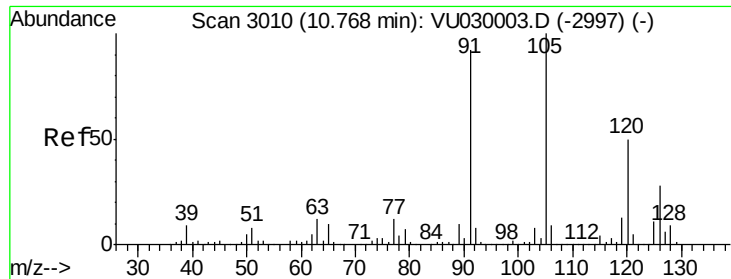
91 280.5 0.0 561.0



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: 10.564 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Instrument :

MSVOA_U

ClientSampled :

VSTDICCC010

Tgt Ion:105 Resp: 750316

Ion Ratio Lower Upper

105 100

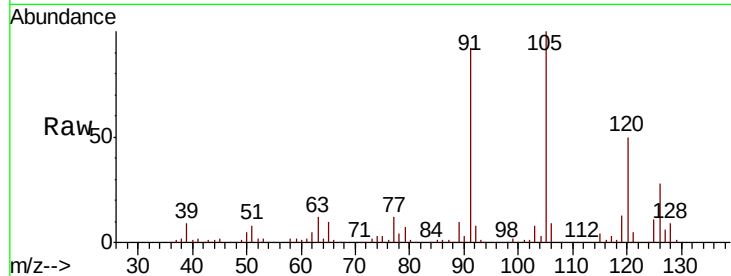
120 49.8 39.8 59.8

Manual Integrations

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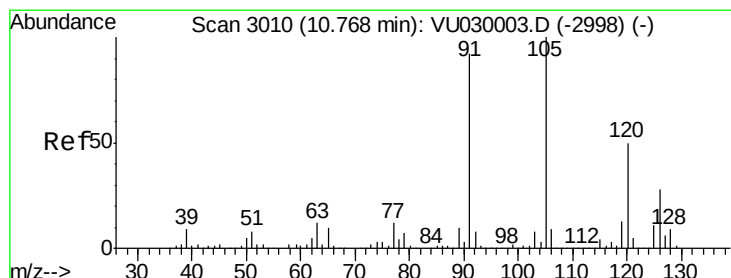
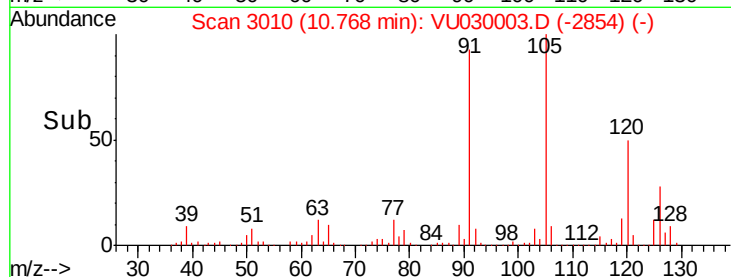
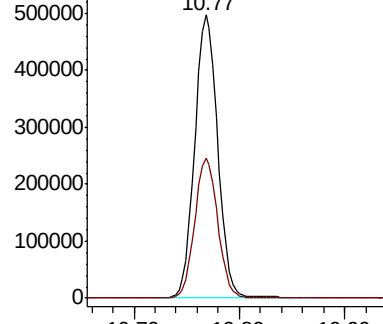
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 10.446 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030003.D

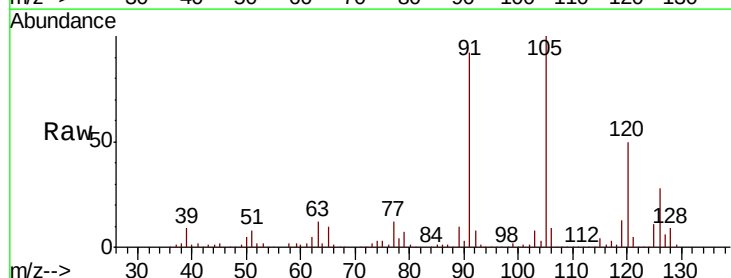
Acq: 12 Mar 2019 11:48

Tgt Ion:126 Resp: 220849

Ion Ratio Lower Upper

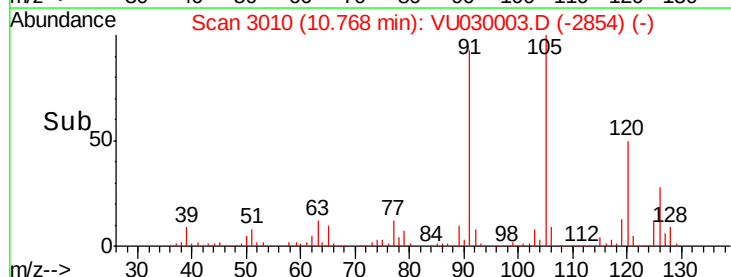
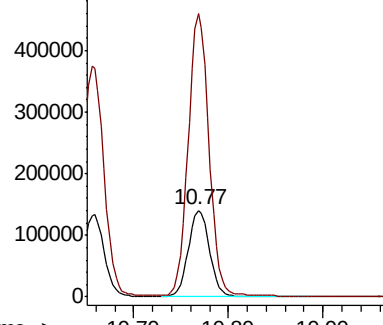
126 100

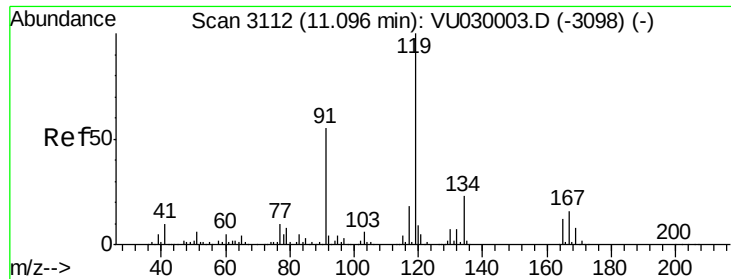
91 320.9 0.0 641.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





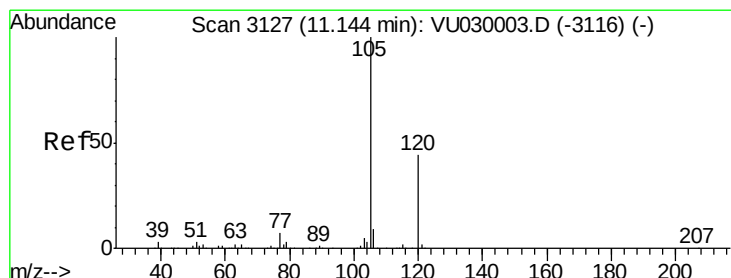
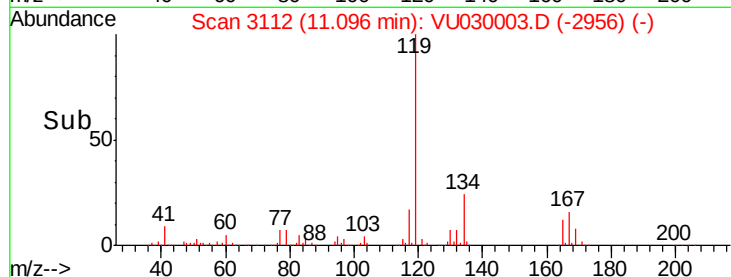
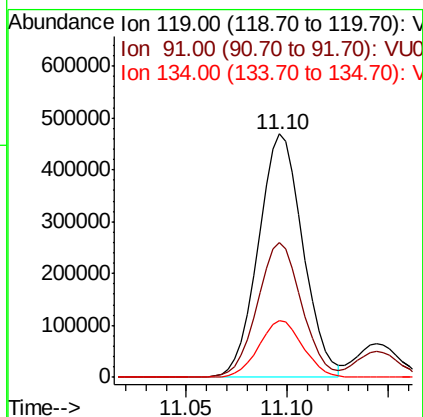
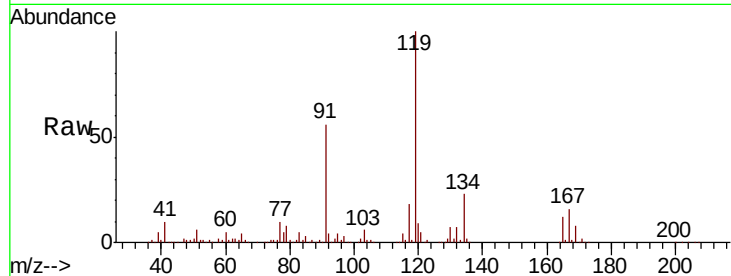
#77
tert-Butylbenzene
Concen: 10.378 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
119	100		
91	55.2	27.6	82.8
134	23.4	18.7	28.1

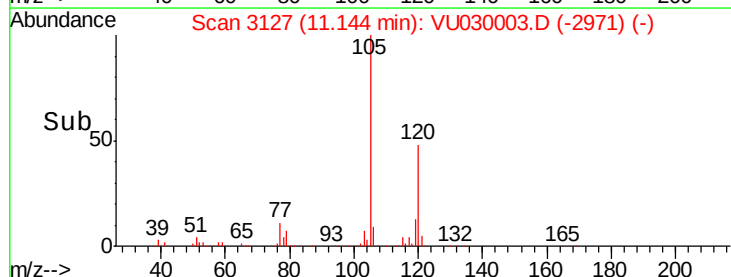
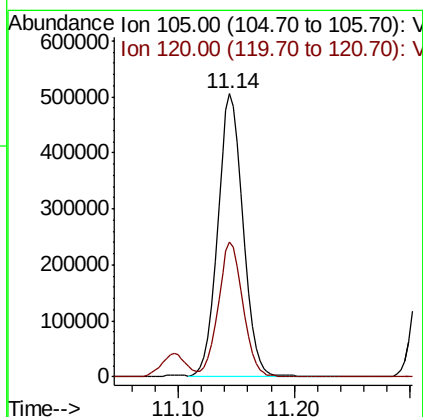
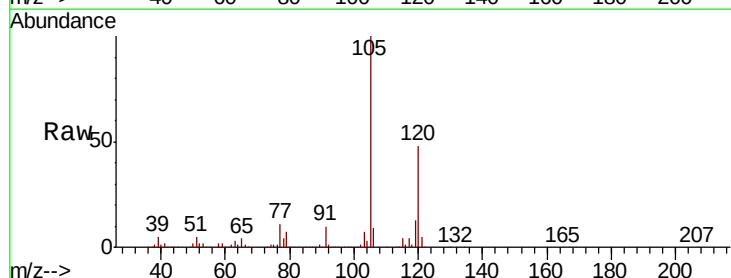
Manual Integrations
APPROVED

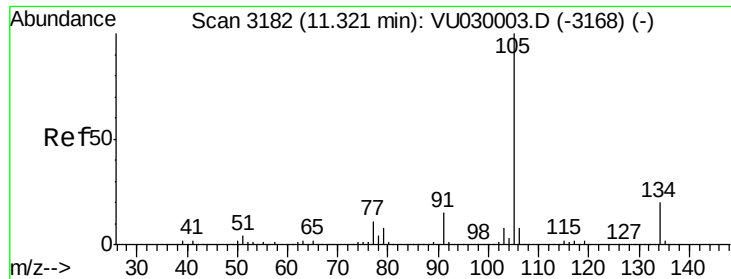
MMDadoda
3/13/2019 12:55:59 PM



#78
1,2,4-Trimethylbenzene
Concen: 10.632 ug/l
RT: 11.14 min Scan# 3127
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.5	70.6





#79

sec-Butylbenzene

Concen: 10.486 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 105 Resp: 976629

Ion Ratio Lower Upper

105 100

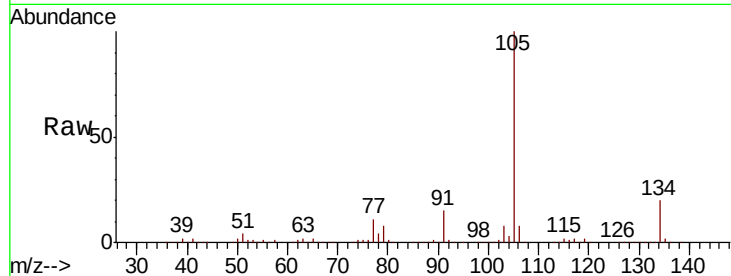
134 20.1 16.1 24.1

Manual Integrations

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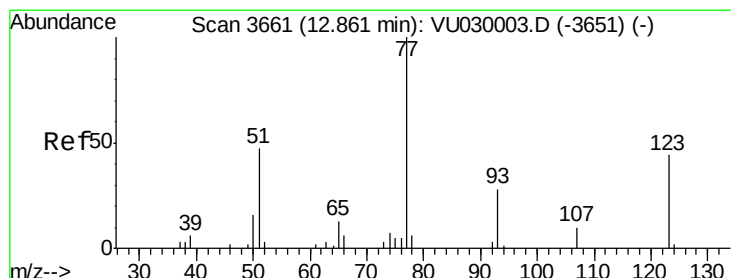
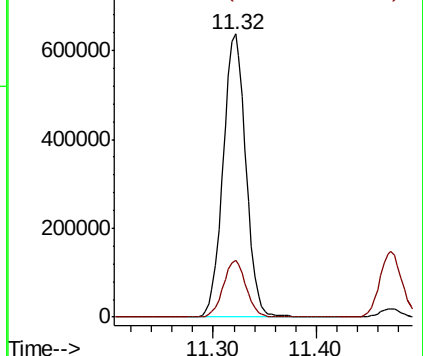
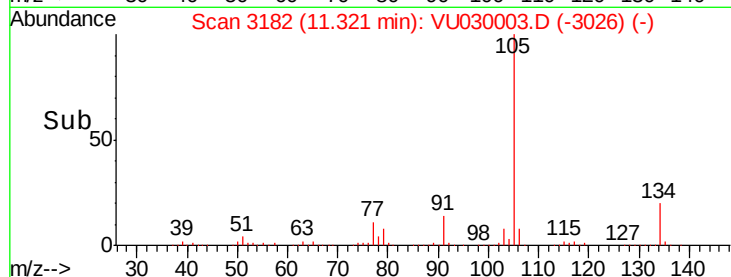
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 49.442 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. 0.00 min

Lab File: VU030003.D

Acq: 12 Mar 2019 11:48

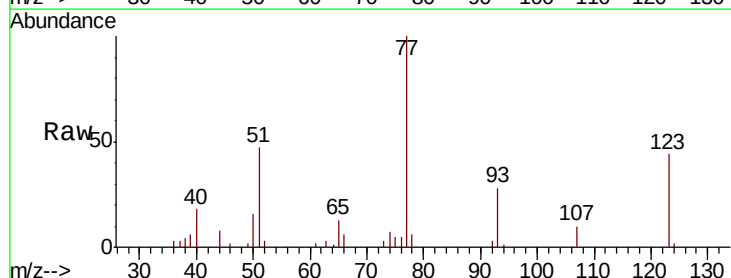
Tgt Ion: 77 Resp: 15507

Ion Ratio Lower Upper

77 100

123 45.2 19.9 70.5

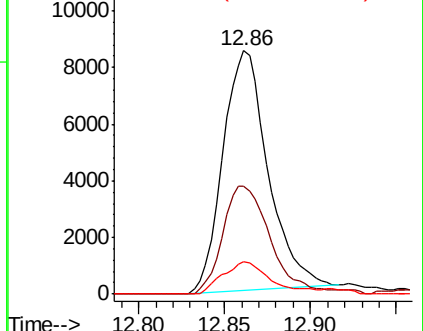
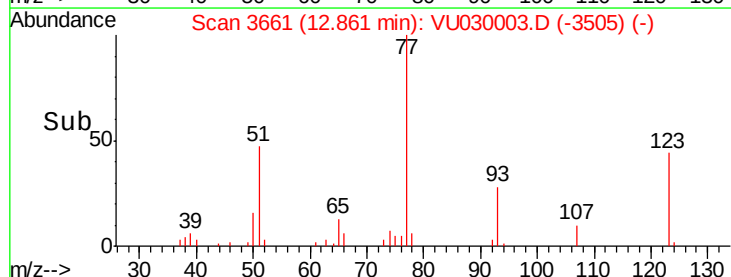
65 12.3 10.8 13.8

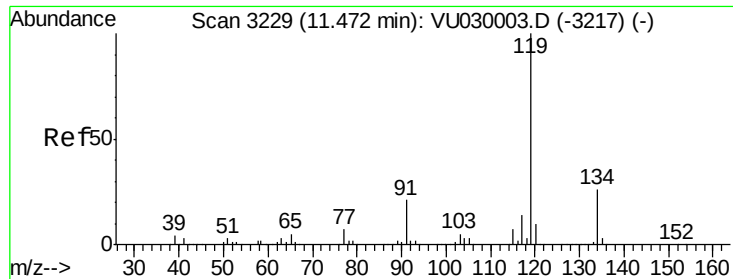


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





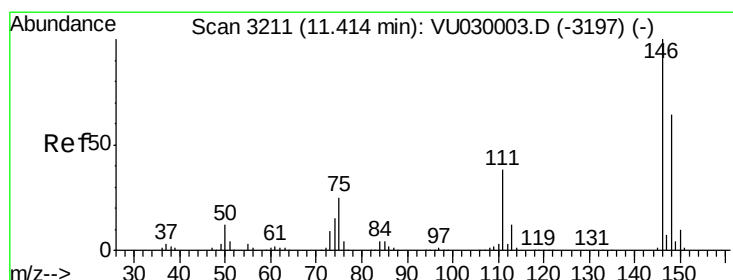
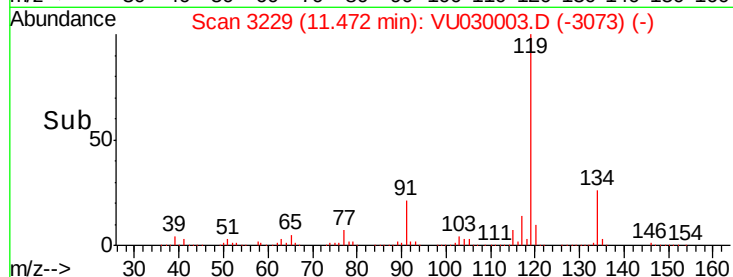
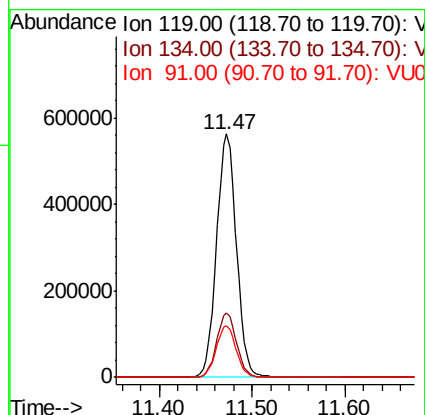
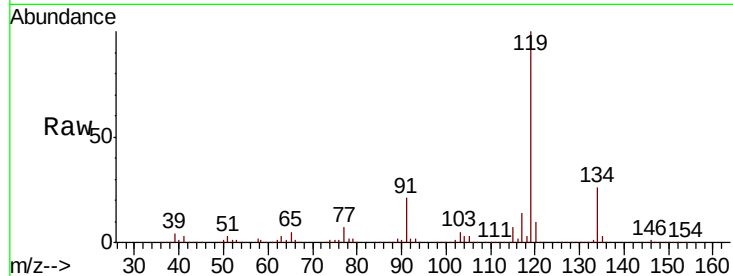
#81
p-Isopropyltoluene
Concen: 10.688 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.2	31.8
91	21.3	17.0	25.6

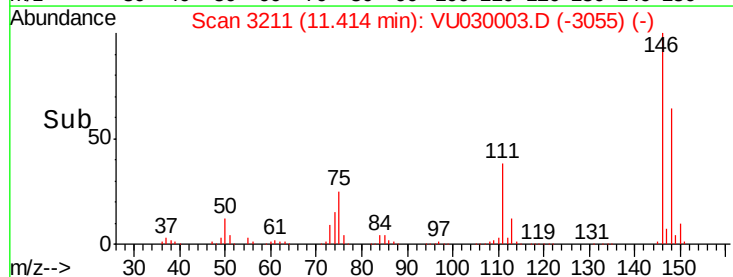
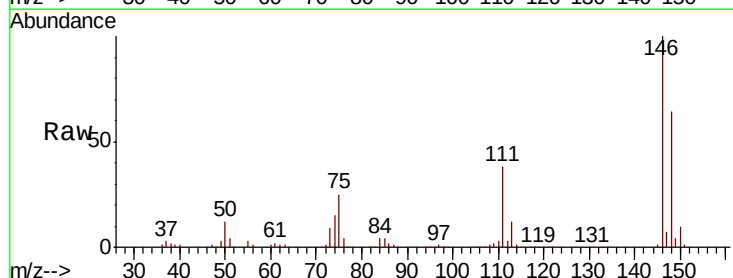
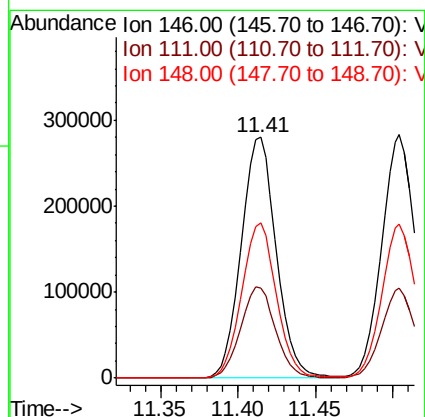
Manual Integrations
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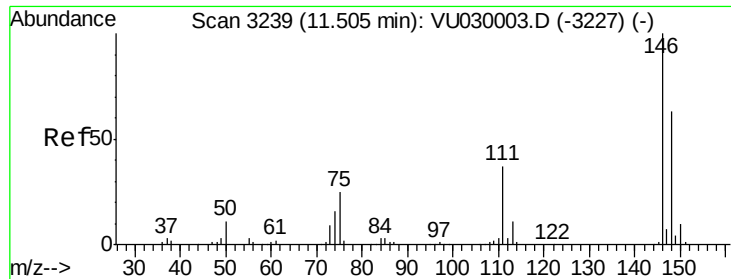
MMDadoda
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#82
1,3-Dichlorobenzene
Concen: 10.000 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	30.3	45.5
148	63.9	51.1	76.7





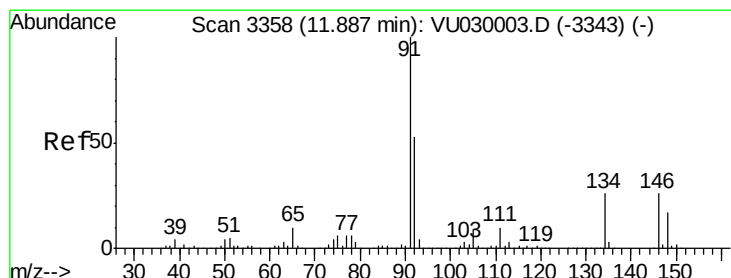
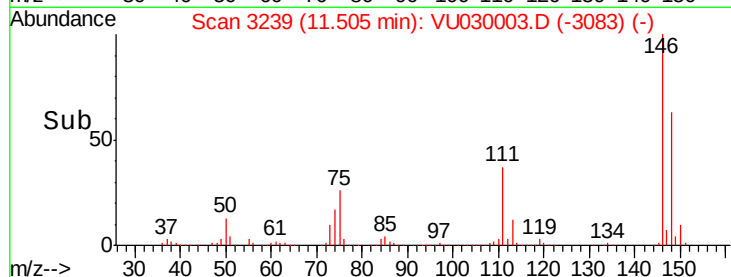
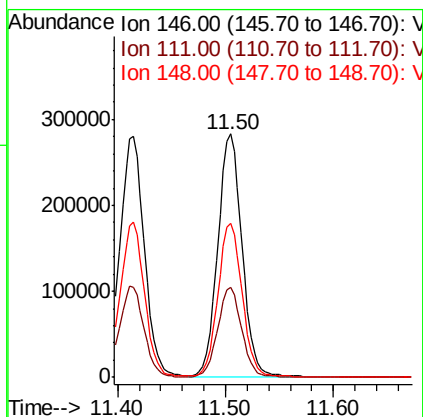
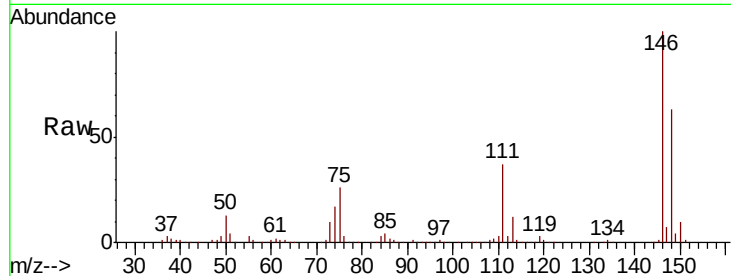
#83
 1,4-Dichlorobenzene
 Concen: 9.974 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	29.3	43.9
148	63.3	50.6	76.0

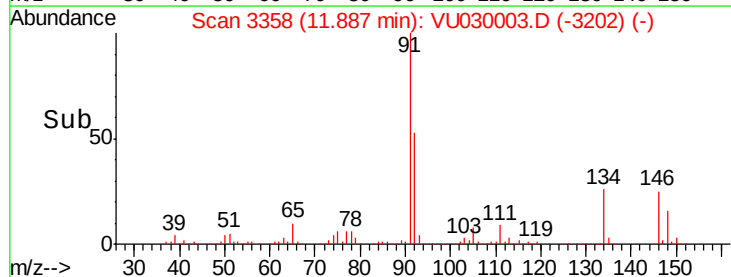
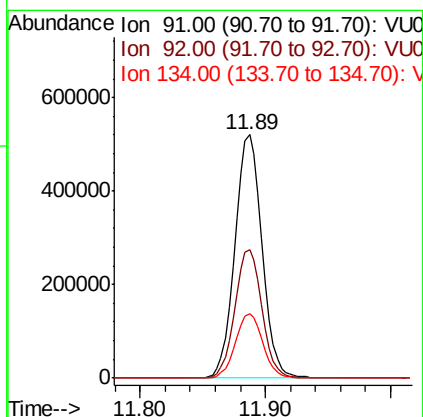
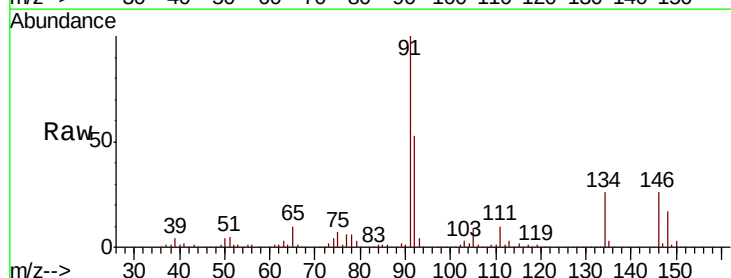
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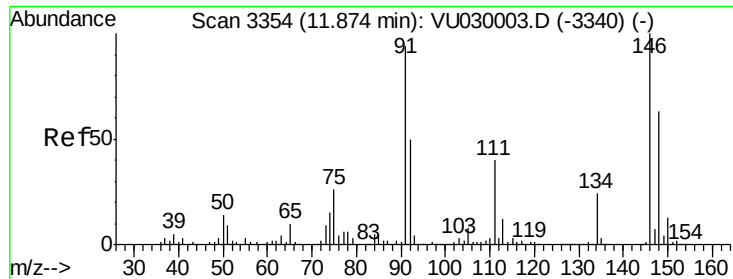
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 3/13/2019 12:55:59 PM



#84
 n-Butylbenzene
 Concen: 10.672 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	42.4	63.6
134	26.7	21.4	32.0





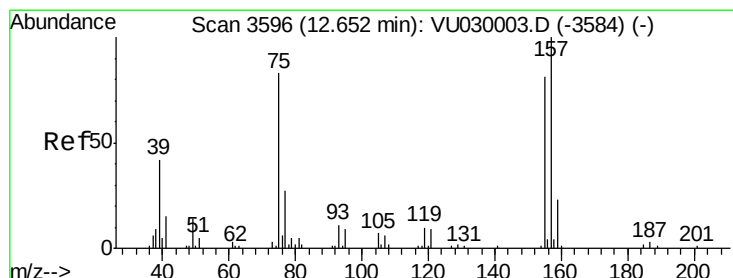
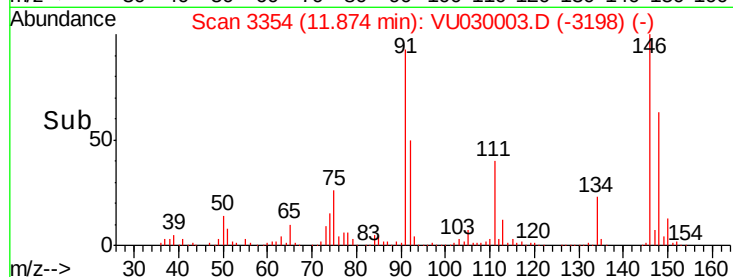
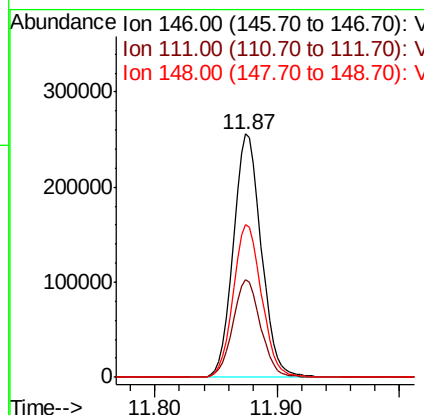
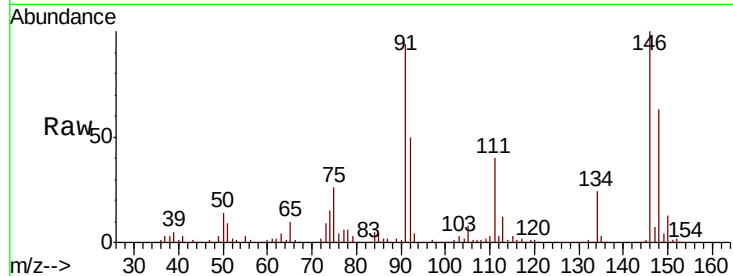
#85
 1,2-Dichlorobenzene
 Concen: 9.962 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	409417		
111	39.8	19.9	59.7	
148	63.4	31.7	95.1	

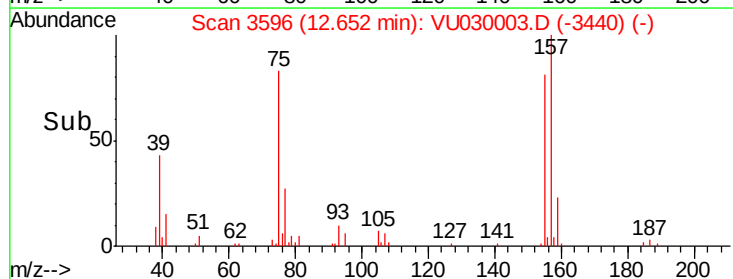
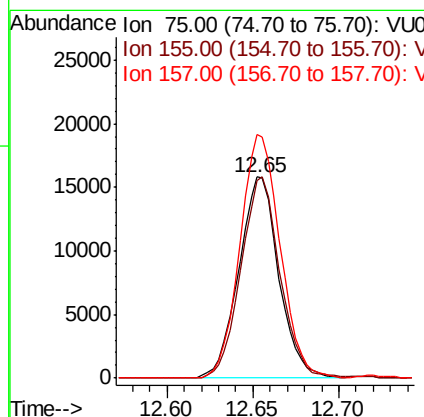
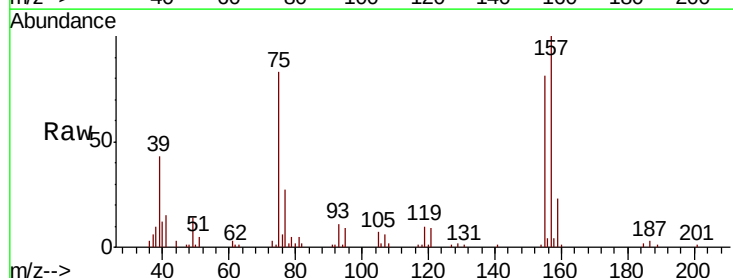
Manual Integrations
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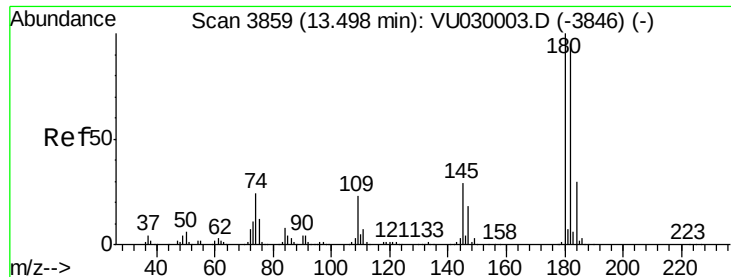
MMDadoda
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.562 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030003.D
 Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25550		
155	97.8	78.2	117.4	
157	121.5	97.2	145.8	





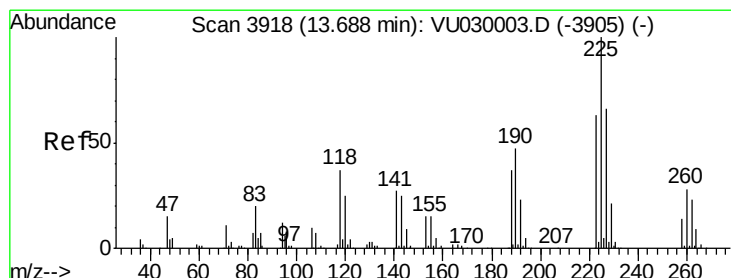
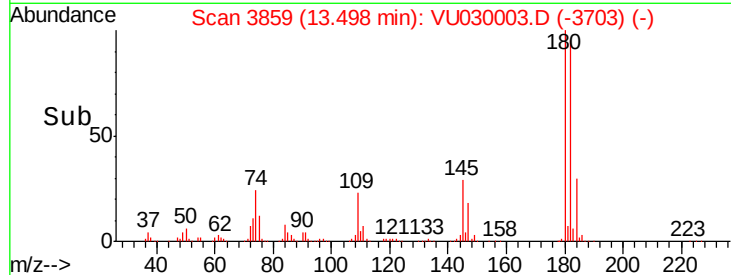
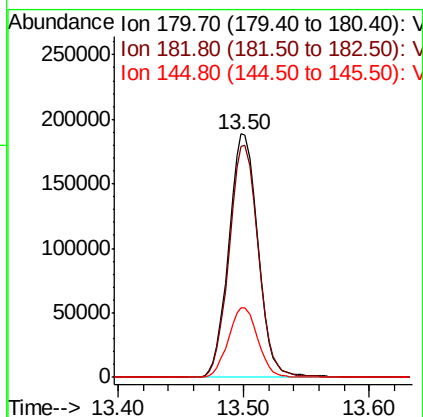
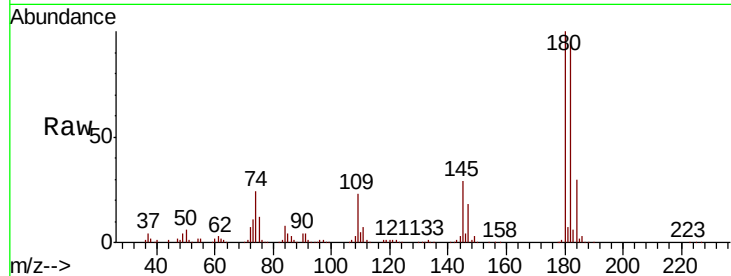
#87
1,2,4-Trichlorobenzene
Concen: 10.289 ug/l
RT: 13.50 min Scan# 3859
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	305150		
182	95.2	76.2	114.2	
145	28.8	23.0	34.6	

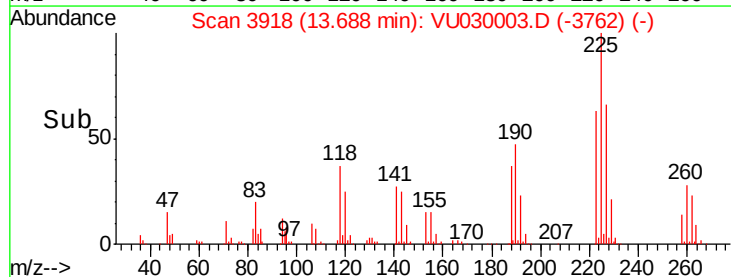
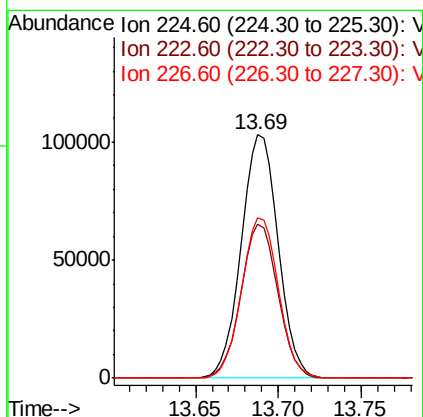
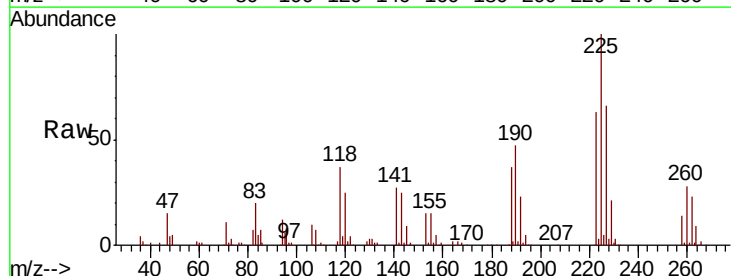
Manual Integrations
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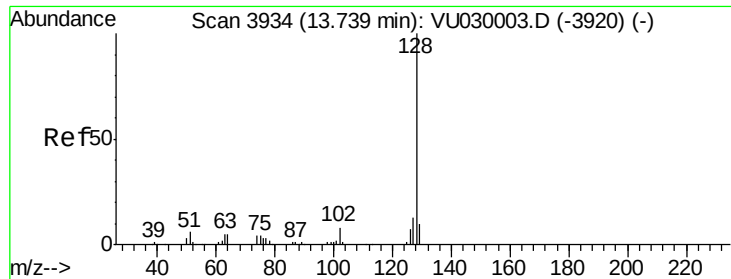
MMDadoda
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#88
Hexachlorobutadiene
Concen: 9.968 ug/l
RT: 13.69 min Scan# 3918
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	160244		
223	63.4	50.7	76.1	
227	65.7	52.6	78.8	





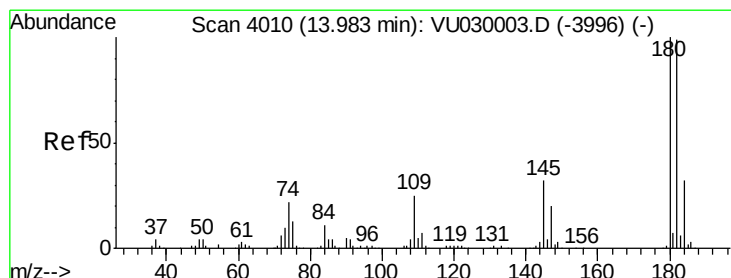
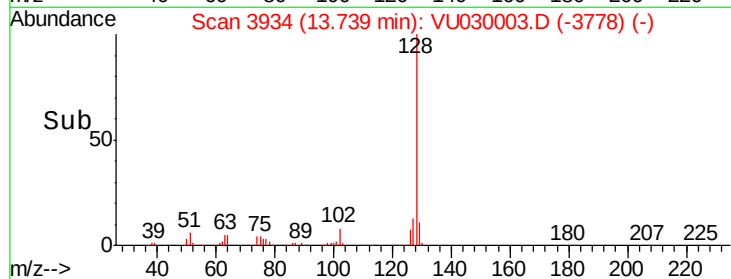
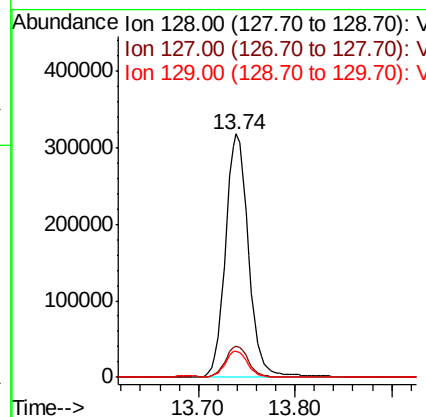
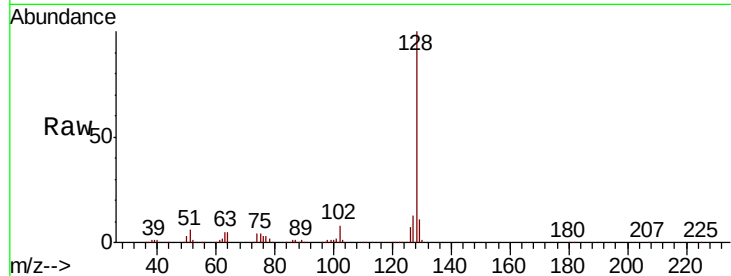
#89
Naphthalene
Concen: 11.302 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.6	8.5	12.7

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 10.265 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU030003.D
Acq: 12 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.6	116.4
145	30.9	24.7	37.1

