

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041519\
 Data File : VU031202.D
 Acq On : 15 Apr 2019 22:47
 Operator : JC/SP
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 3:23:33 PM

Quant Time: Apr 16 04:36:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	34482	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	12809	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	12749	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	225850	16.149	ug/l	99
3) Chloromethane	1.32	50	235967	14.278	ug/l	99
4) Vinyl Chloride	1.40	62	231685	14.691	ug/l	99
5) Bromomethane	1.63	94	138592	17.785	ug/l	99
6) Chloroethane	1.70	64	154343	16.824	ug/l	100
7) Trichlorofluoromethane	1.88	101	344337	18.312	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	176068	18.595	ug/l	99
9) 1,1-Dichloroethene	2.28	96	173165	18.455	ug/l	95
10) Iodomethane	2.41	142	261494	21.412	ug/l	100
11) Allyl Chloride	2.59	41	334737	16.674	ug/l	100
12) Acrylonitrile	2.94	53	93142	30.529	ug/l	98
13) Acetone	2.33	43	207642	74.193	ug/l	99
14) Carbon Disulfide	2.48	76	647479	18.782	ug/l	100
15) Methylene Chloride	2.70	84	195145	15.248	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	182125	17.158	ug/l	98
17) 1,1-Dichloroethane	3.44	63	280889	13.520	ug/l	99
18) 2-Butanone	4.27	43	237860	66.684	ug/l	100
19) Cyclohexane	4.99	56	217712	12.991	ug/l	99
20) Methylcyclohexane	6.41	83	237156	16.308	ug/l	98
21) 2,2-Dichloropropane	4.22	77	222095	13.839	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	161311	15.052	ug/l	98
23) Diethyl Ether	2.10	59	158186	16.752	ug/l	99
24) tert-Butyl Alcohol	2.86	59	165206	149.769	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	495515	16.890	ug/l	100
26) Bromochloromethane	4.54	128	72275	15.570	ug/l	100
27) Chloroform	4.67	83	280152	14.237	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	242428	14.964	ug/l	100
29) 1,1-Dichloropropene	5.13	75	213947	15.078	ug/l	100
30) Carbon Tetrachloride	5.13	117	216374	15.294	ug/l	99
31) Isopropyl Ether	3.57	45	436091	12.921	ug/l	96
32) Ethyl-t-butyl ether	4.06	59	394842	14.396	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	362312	15.708	ug/l	99
34) Propionitrile	4.33	54	67899	76.584	ug/l #	96
35) Benzene	5.38	78	615457	14.611	ug/l	100
36) 1,2-Dichloroethane	5.40	62	191831	14.317	ug/l	99
37) Trichloroethene	6.18	130	160211	15.627	ug/l	93
38) 1,2-Dichloropropane	6.43	63	163587	13.618	ug/l	100
39) Methacrylonitrile	4.54	41	60708	13.847	ug/l	99
40) Methyl acrylate	4.42	55	91617	17.005	ug/l	98
41) Tetrahydrofuran	4.65	42	64151	27.190	ug/l	99
42) 1-Chlorobutane	5.06	56	309705	14.369	ug/l	99

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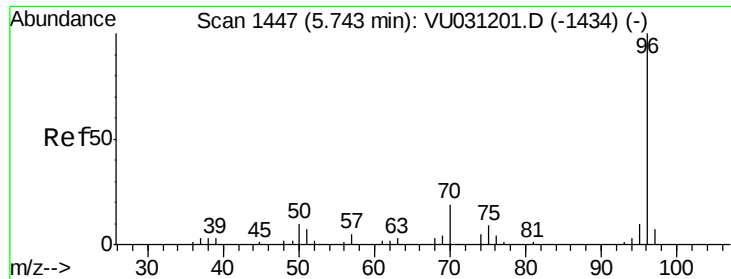
Manual Integrations
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 4/16/2019 3:23:33 PM

Quant Time: Apr 16 04:36:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	86594	15.367	ug/l	99
44) Bromodichloromethane	6.75	83	209907	14.261	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	576267	71.899	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	94665m	34.309	ug/l	
47) Methyl methacrylate	6.62	69	171241	33.337	ug/l	99
48) Ethyl methacrylate	8.02	69	165191	17.169	ug/l	98
49) Toluene	7.63	92	367922	16.007	ug/l	100
50) t-1,3-Dichloropropene	7.87	75	199207	15.786	ug/l	98
51) cis-1,3-Dichloropropene	7.26	75	229021	15.101	ug/l	97
52) 1,1,2-Trichloroethane	8.06	97	115855	14.412	ug/l	98
53) 1,3-Dichloropropane	8.24	76	205391	14.596	ug/l	98
54) 2-Hexanone	8.36	43	405099	76.191	ug/l	99
55) Dibromochloromethane	8.47	129	142047	15.550	ug/l	99
56) 1,2-Dibromoethane	8.58	107	112395	15.491	ug/l	97
58) Tetrachloroethene	8.22	164	149128	16.368	ug/l	97
59) Chlorobenzene	9.12	112	389473	15.496	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.21	131	142581	15.034	ug/l	99
61) Pentachloroethane	11.10	117	103676	14.268	ug/l	93
62) Hexachloroethane	12.14	117	106539	15.429	ug/l	100
63) Ethyl Benzene	9.24	91	691822	16.621	ug/l	99
64) m/p-Xylenes	9.37	106	528417	34.725	ug/l	100
65) o-Xylene	9.77	106	247305	16.723	ug/l	99
66) Styrene	9.79	104	443262	17.359	ug/l	99
67) Bromoform	9.95	173	84434	16.082	ug/l	99
69) Isopropylbenzene	10.16	105	670864	17.001	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	150336	14.220	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	103300m	12.851	ug/l	
72) Bromobenzene	10.45	156	164407	16.481	ug/l	99
73) n-propylbenzene	10.58	120	184296	17.508	ug/l	98
74) 2-Chlorotoluene	10.66	126	159467	16.601	ug/l	97
75) 1,3,5-Trimethylbenzene	10.77	105	580148	17.356	ug/l	98
76) 4-Chlorotoluene	10.77	126	165763	16.908	ug/l	99
77) tert-Butylbenzene	11.10	119	543628	16.690	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	589097	17.300	ug/l	100
79) sec-Butylbenzene	11.32	105	743698	16.802	ug/l	99
80) Nitrobenzene	12.86	77	30299	96.296	ug/l #	95
81) p-Isopropyltoluene	11.47	119	611081	17.607	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	318484	16.121	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	314830	16.123	ug/l	99
84) n-Butylbenzene	11.88	91	599040	17.173	ug/l	98
85) 1,2-Dichlorobenzene	11.87	146	294916	15.707	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.65	75	24567	14.883	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	211141	18.828	ug/l	99
88) Hexachlorobutadiene	13.69	225	118998	17.680	ug/l	98
89) Naphthalene	13.74	128	404792	20.491	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	203362	18.234	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

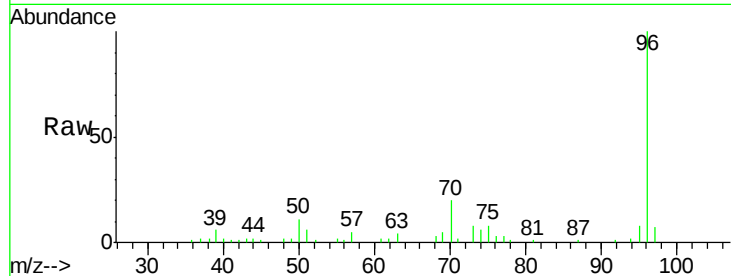
VSTDIC015

Tot Ion: 96 Resp: 34482

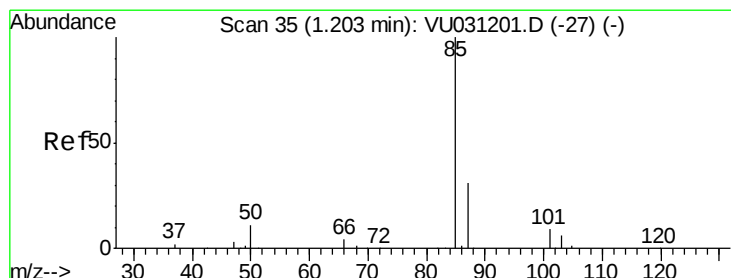
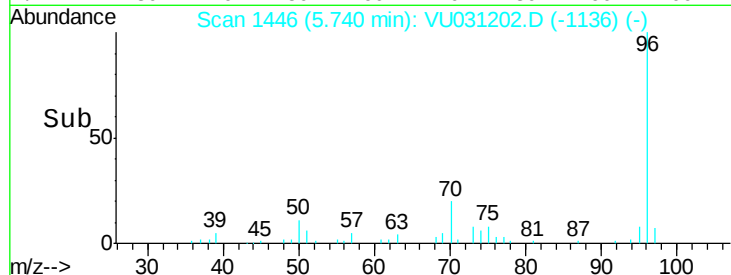
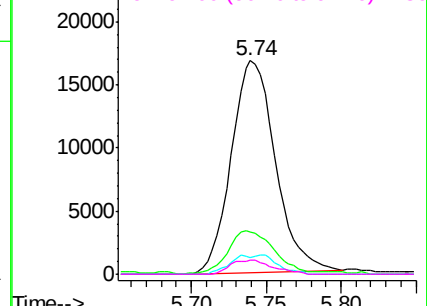
Ion	Ratio	Lower	Upper
96	100		
70	21.1	18.4	27.6
95	0.0	7.6	11.4#
97	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 96.00 (95.70 to 96.70): VU031201.D (-1434) (-)



#2

Dichlorodifluoromethane

Concen: 16.149 ug/l

RT: 1.20 min Scan# 35

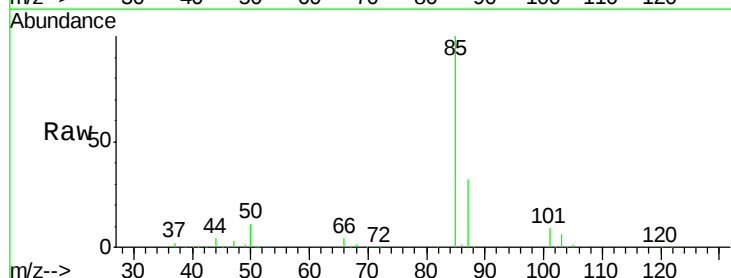
Delta R.T. 0.00 min

Lab File: VU031202.D

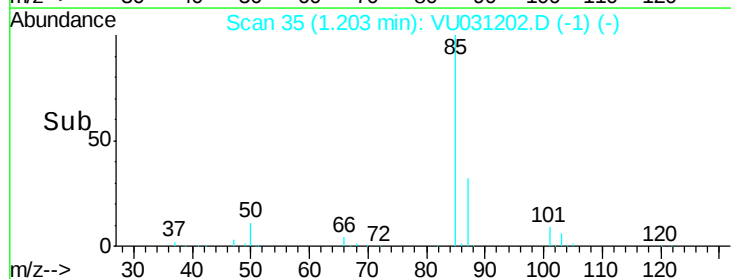
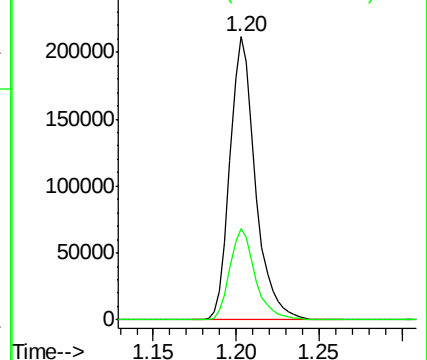
Acq: 15 Apr 2019 22:47

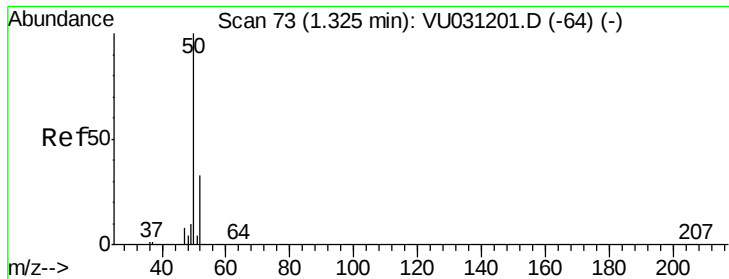
Tgt Ion: 85 Resp: 225850

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.8	47.3



Abundance Ion 85.00 (84.70 to 85.70): VU031201.D (-27) (-)





#3

Chloromethane

Concen: 14.278 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 50 Resp: 235967

Ion Ratio Lower Upper

50 100

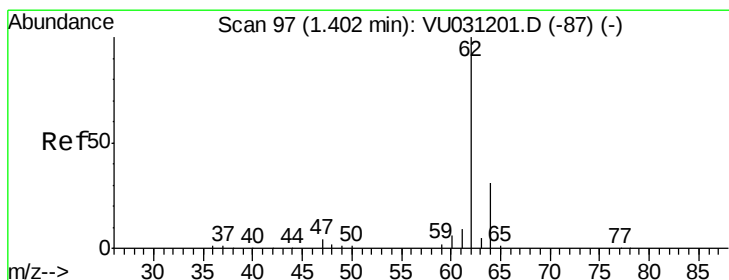
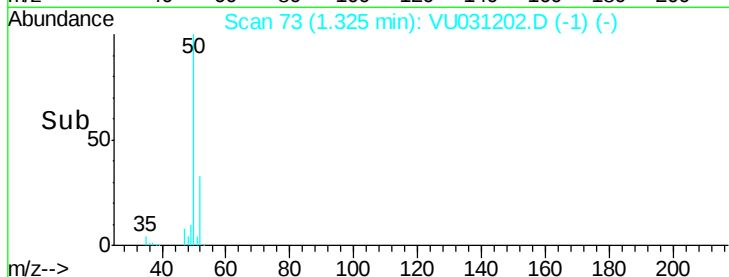
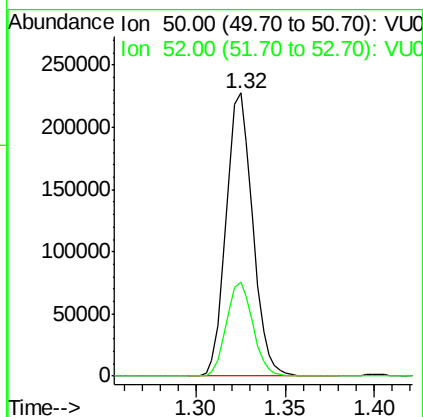
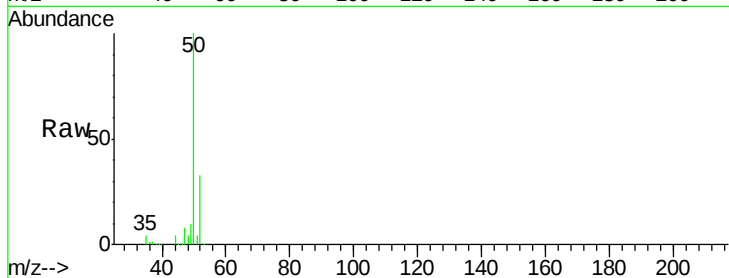
52 33.4 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 14.691 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031202.D

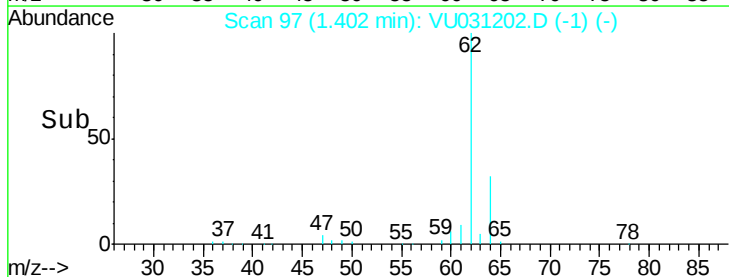
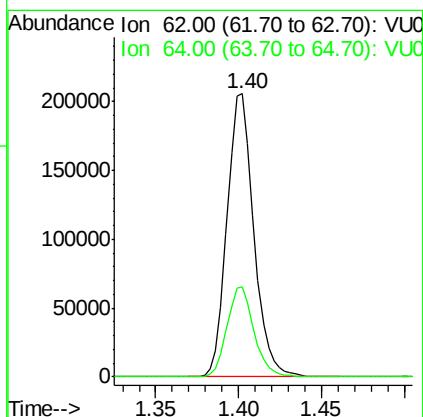
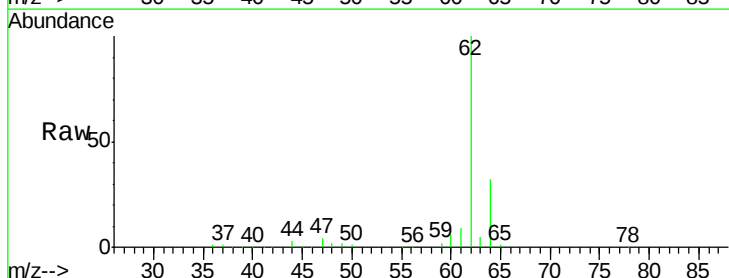
Acq: 15 Apr 2019 22:47

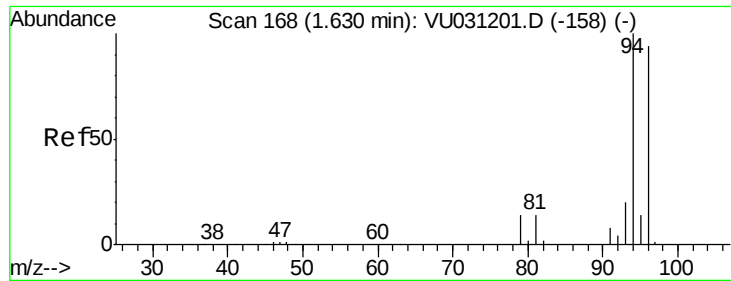
Tgt Ion: 62 Resp: 231685

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.6





#5

Bromomethane

Concen: 17.785 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampled :

VSTDIC015

Tot Ion: 94 Resp: 138592

Ion Ratio Lower Upper

94 100

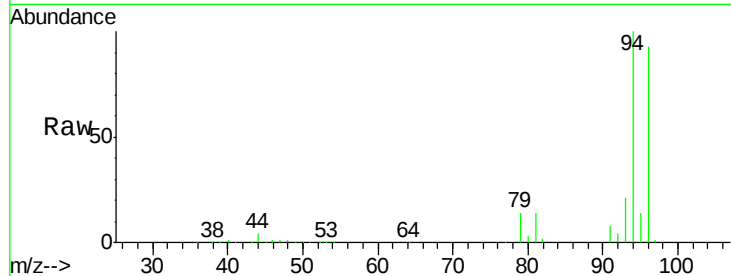
96 93.3 75.0 112.6

Manual Integrations

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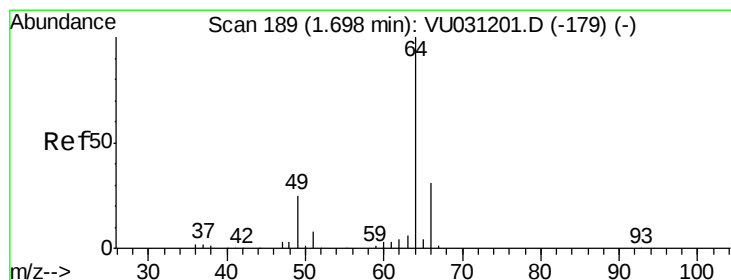
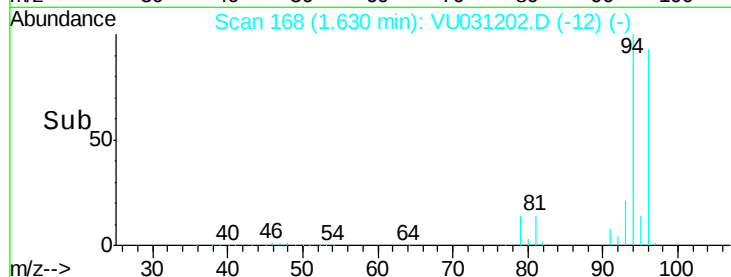
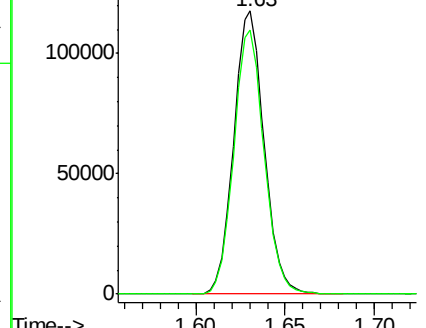
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Abundance Ion 94.00 (93.70 to 94.70): VU031202.D (-162) (-)

Ion 96.00 (95.70 to 96.70): VU031202.D (-162) (-)



#6

Chloroethane

Concen: 16.824 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031202.D

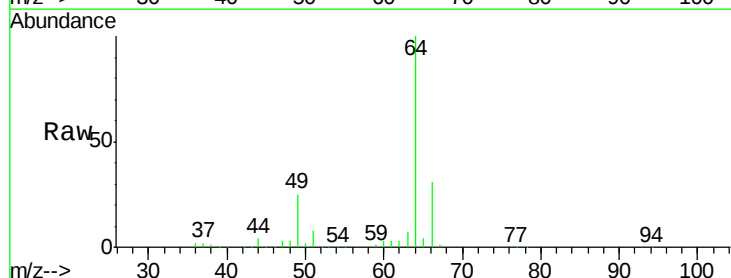
Acq: 15 Apr 2019 22:47

Tgt Ion: 64 Resp: 154343

Ion Ratio Lower Upper

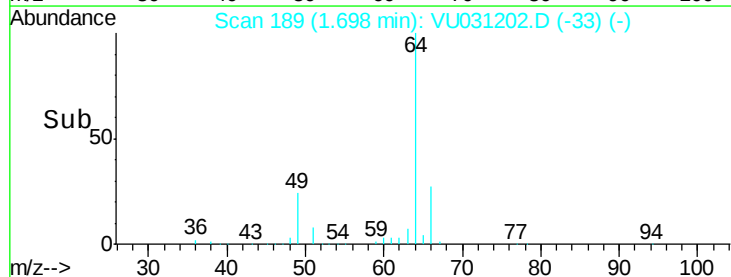
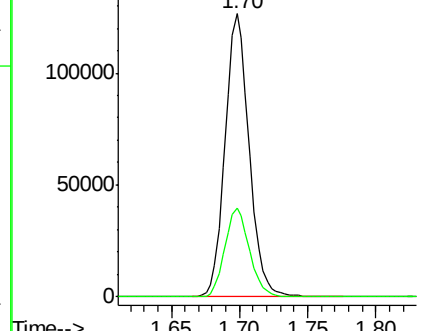
64 100

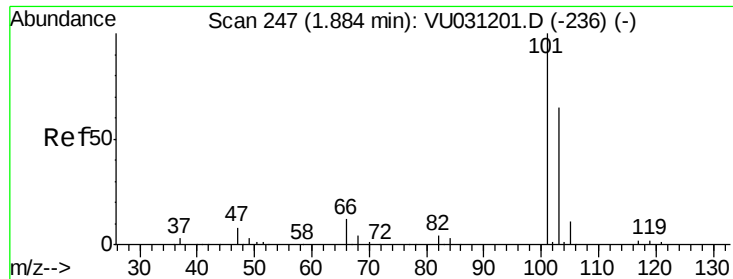
66 31.3 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU031202.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VU031202.D (-33) (-)





#7

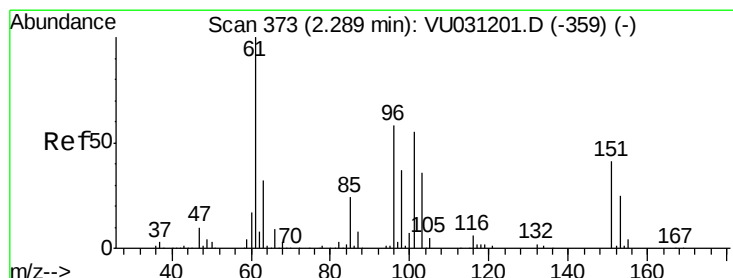
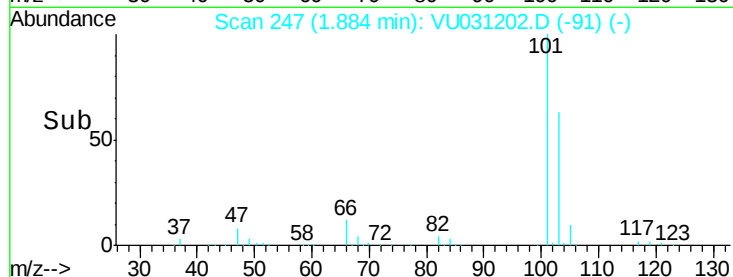
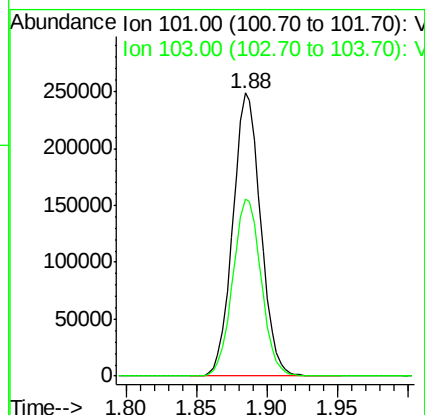
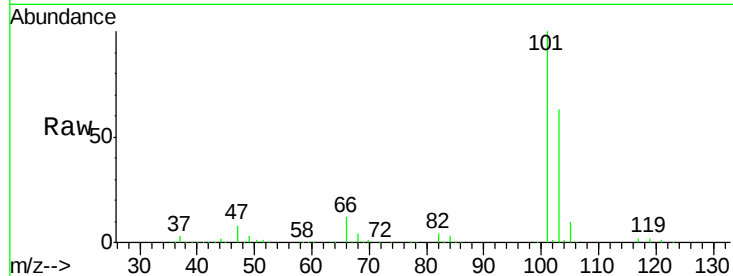
Trichlorofluoromethane
 Concen: 18.312 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Instrument :
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 ClientSampled :
 VSTDIC015

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	101	100	344337		
103	103	62.7	51.8	77.8	

Manual Integrations
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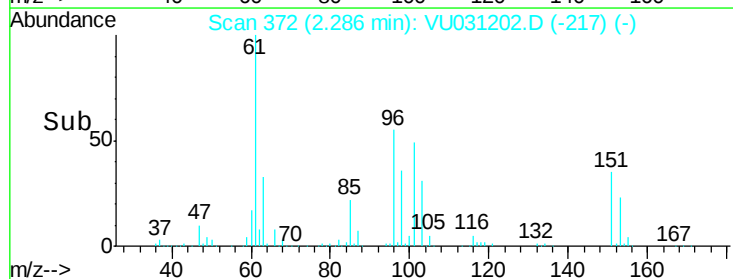
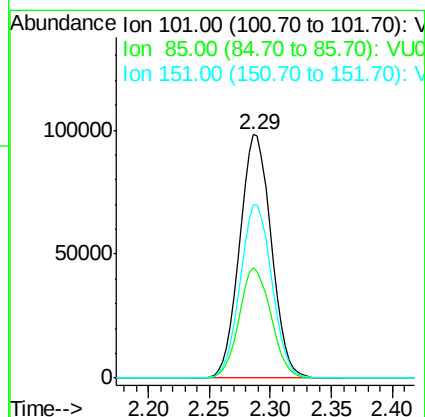
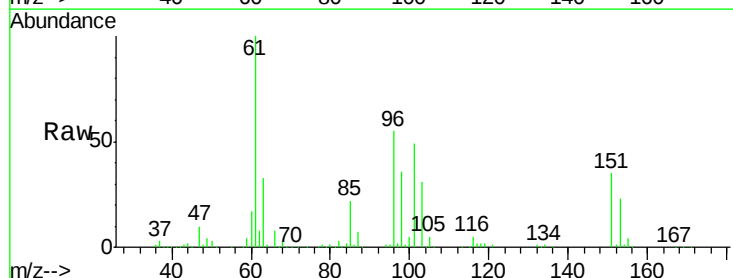
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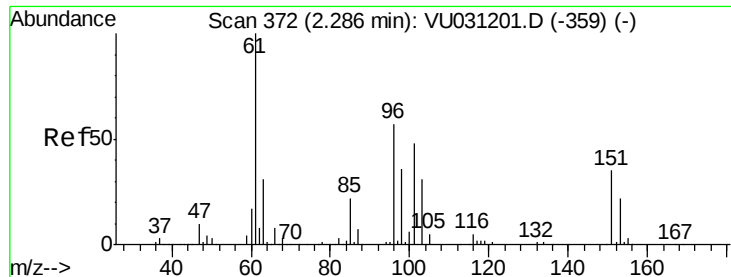


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 18.595 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	101	100	176068		
85	85	45.3	36.1	54.1	
151	151	71.6	58.2	87.2	





#9

1,1-Dichloroethene

Concen: 18.455 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

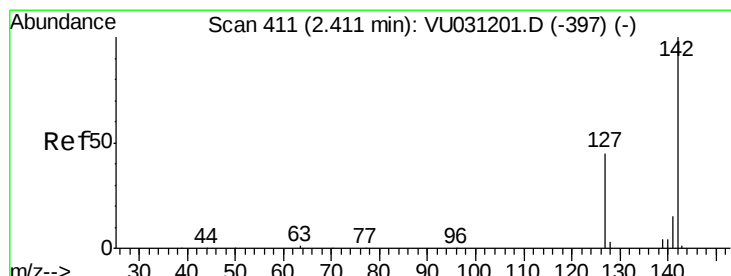
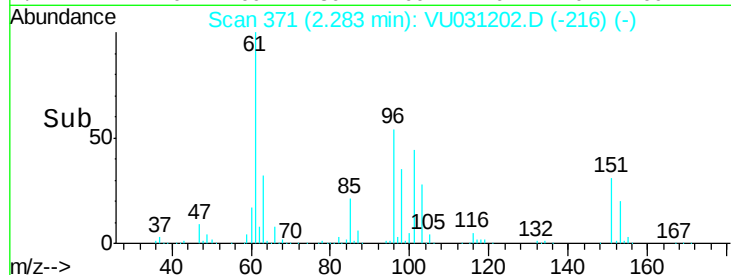
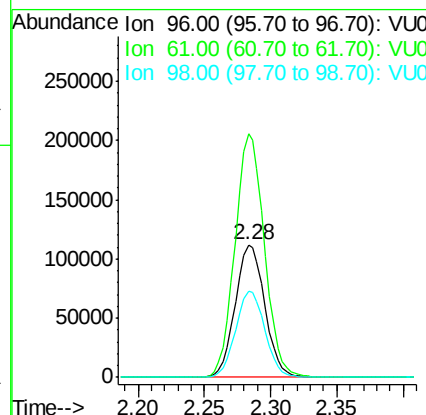
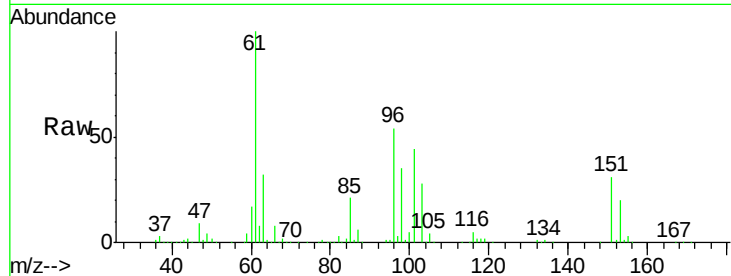
ClientSampleId :

VSTDIC015

Tot Ion:	96	Resp:	173165
Ion	Ratio	Lower	Upper
96	100		
61	183.8	0.0	527.7
98	64.9	0.0	127.6

Manual Integrations
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#10

Iodomethane

Concen: 21.412 ug/l

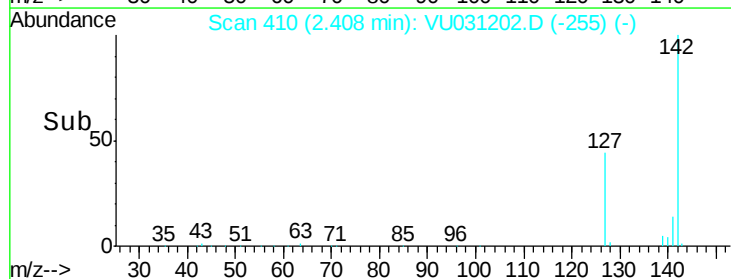
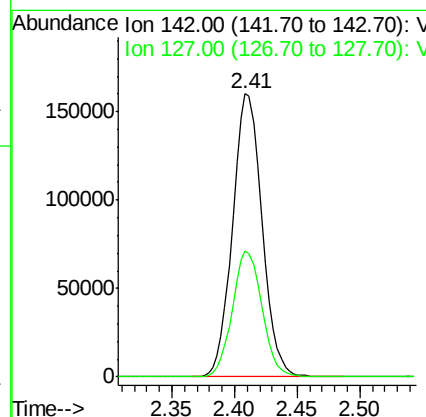
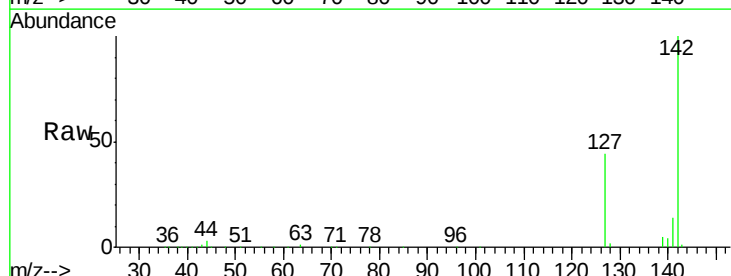
RT: 2.41 min Scan# 410

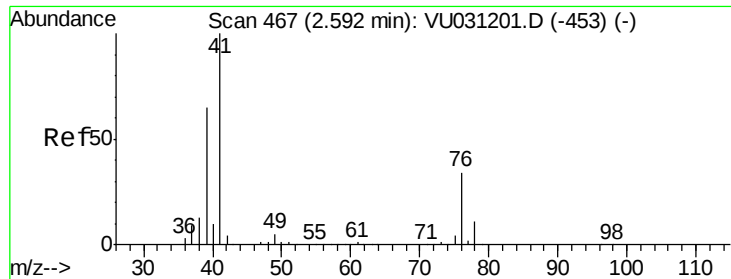
Delta R.T. -0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Tgt Ion:	142	Resp:	261494
Ion	Ratio	Lower	Upper
142	100		
127	44.7	35.9	53.9





#11

Allvl Chloride

Concen: 16.674 ug/l

RT: 2.59 min Scan# 466

Delta R.T. -0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 41 Resp: 334737

Ion Ratio Lower Upper

41 100

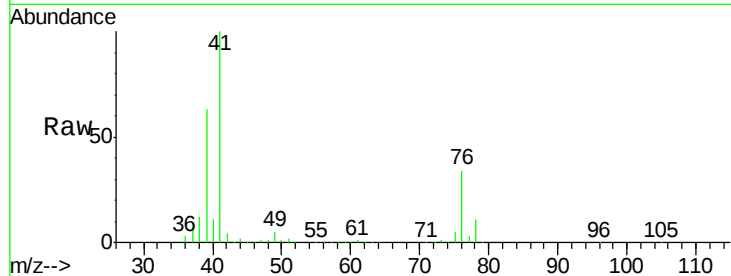
39 64.6 51.9 77.9

Manual Integrations

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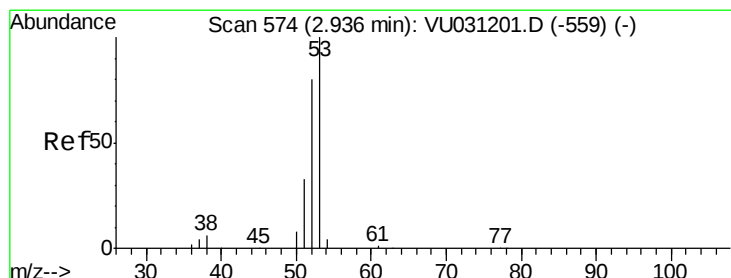
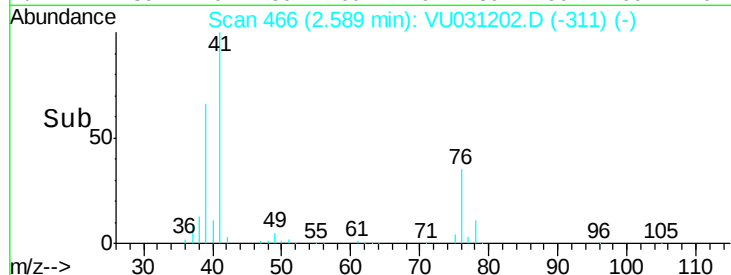
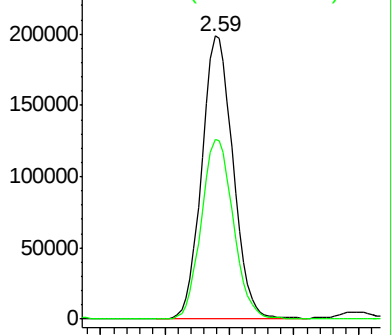
MMDadoda

4/16/2019 3:23:33 PM



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#12

Acrylonitrile

Concen: 30.529 ug/l

RT: 2.94 min Scan# 575

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

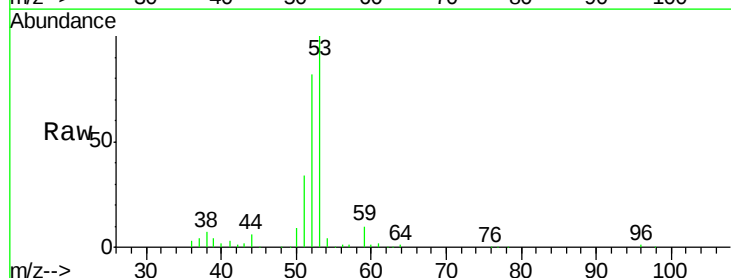
Tgt Ion: 53 Resp: 93142

Ion Ratio Lower Upper

53 100

52 87.8 67.8 101.8

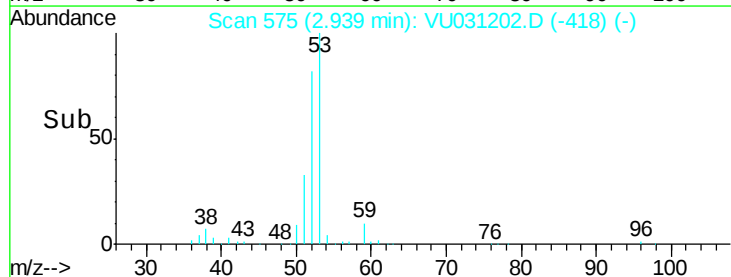
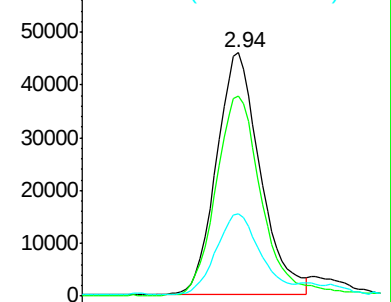
51 33.8 26.9 40.3

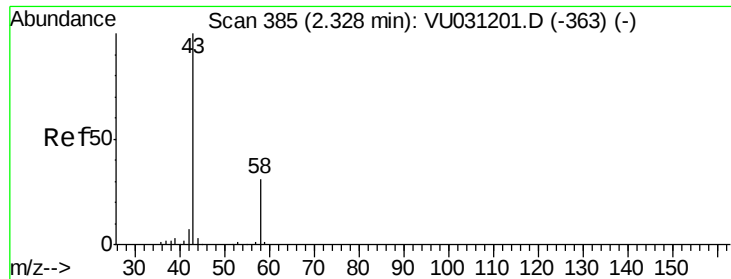


Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0





#13

Acetone

Concen: 74.193 ug/l

RT: 2.33 min Scan# 386

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 207642

Ion Ratio Lower Upper

43 100

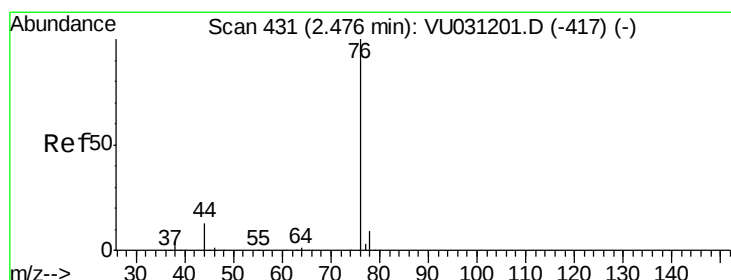
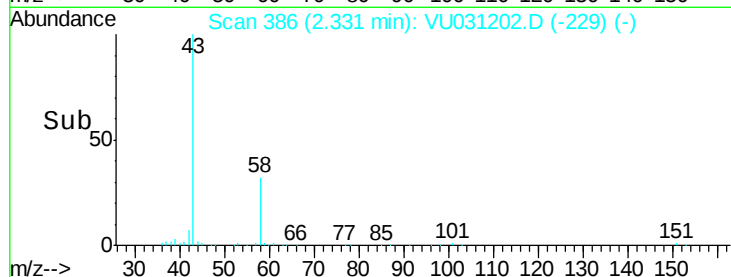
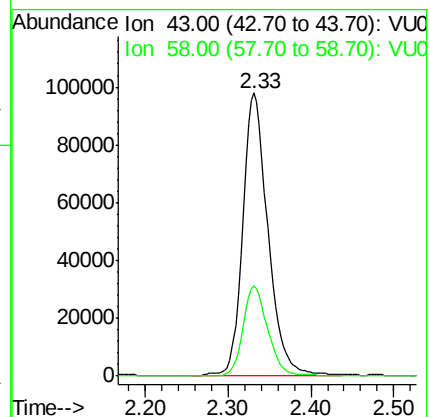
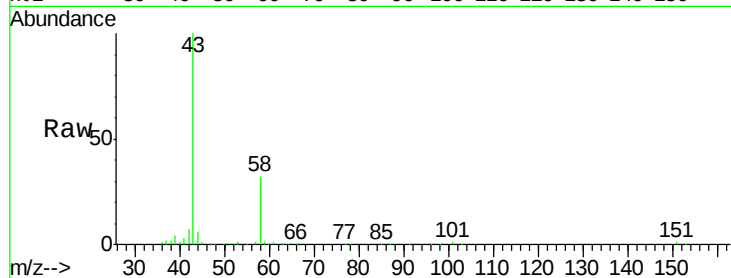
58 31.6 24.7 37.1

Manual Integrations

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#14

Carbon Disulfide

Concen: 18.782 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031202.D

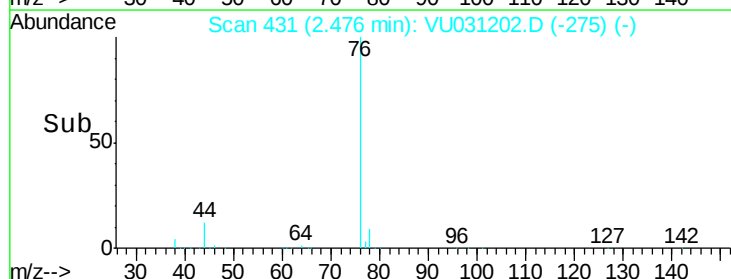
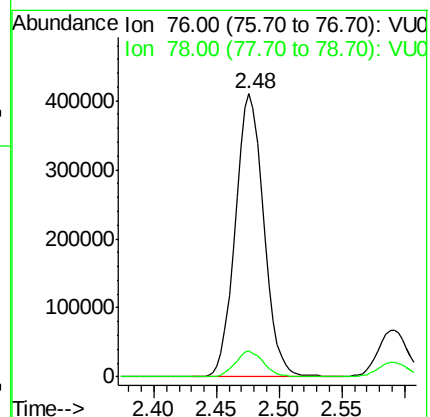
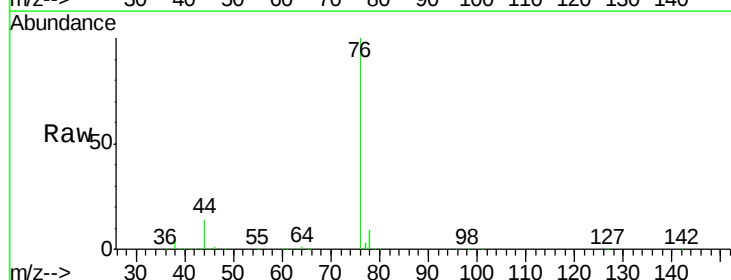
Acq: 15 Apr 2019 22:47

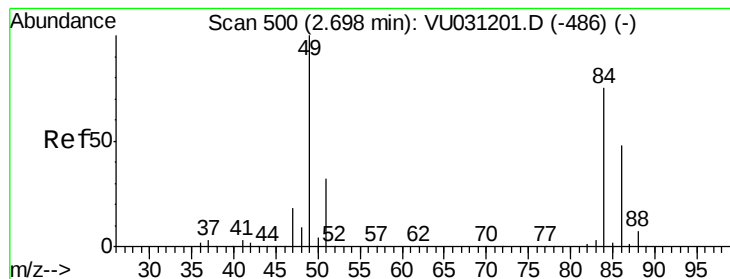
Tgt Ion: 76 Resp: 647479

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methvlene Chloride

Concen: 15.248 ug/l

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 84 Resp: 195145

Ion Ratio Lower Upper

84 100

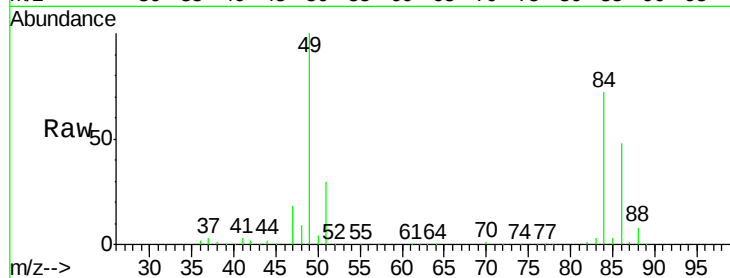
49 138.6 106.1 159.1

51 41.4 0.0 84.2

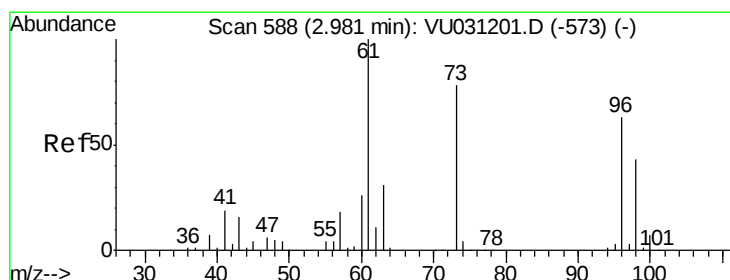
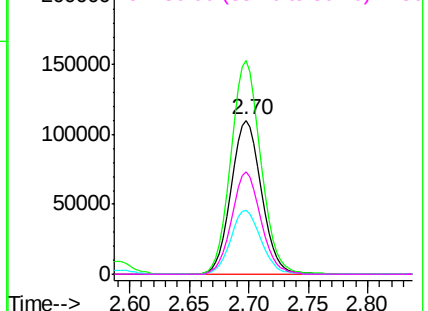
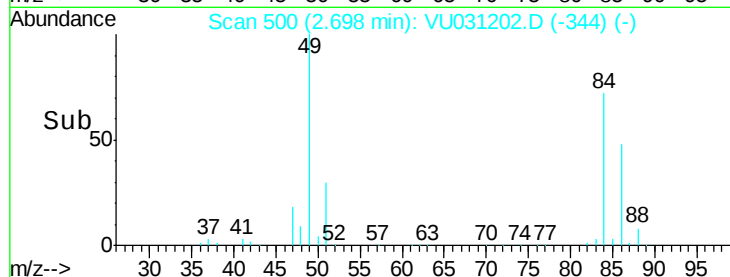
86 66.6 50.5 75.7

Manual Integrations
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Abundance Ion 84.00 (83.70 to 84.70): VU031202.D (-344) (-)



#16

trans-1,2-Dichloroethene

Concen: 17.158 ug/l

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

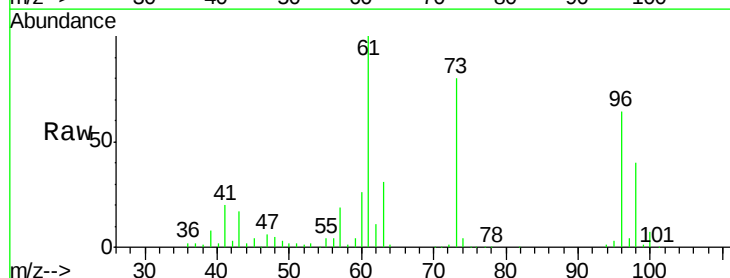
Tgt Ion: 96 Resp: 182125

Ion Ratio Lower Upper

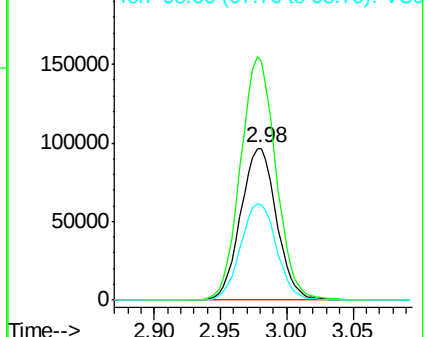
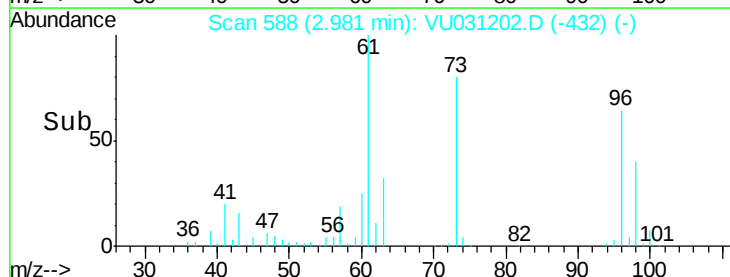
96 100

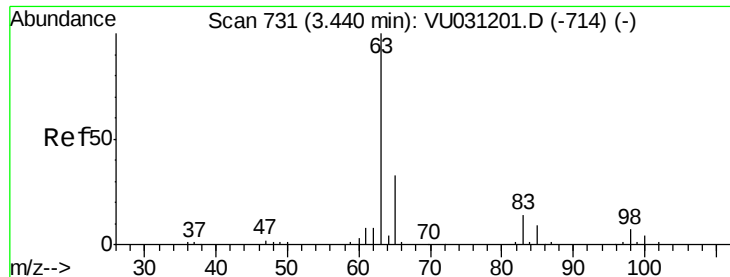
61 157.0 126.6 189.8

98 62.6 53.9 80.9



Abundance Ion 96.00 (95.70 to 96.70): VU031202.D (-432) (-)





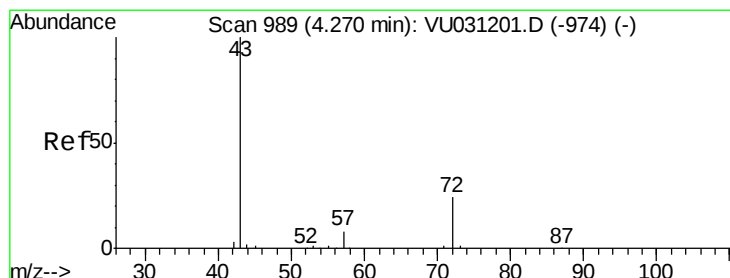
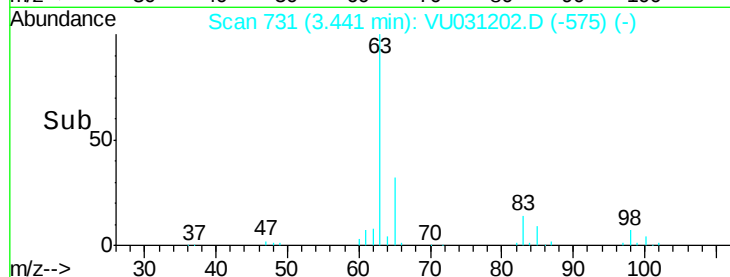
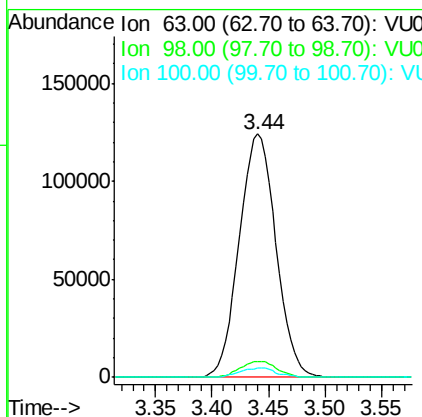
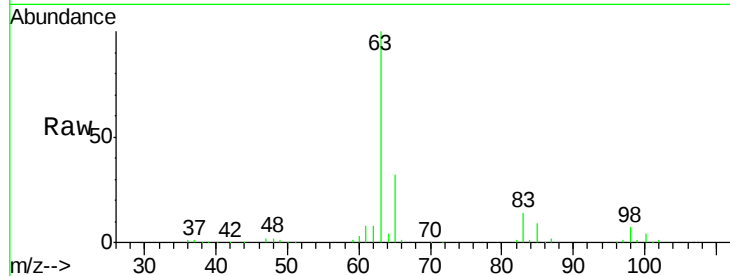
#17
 1,1-Dichloroethane
 Concen: 13.520 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion:	63	Resp:	280889
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.3	9.8
100	3.6	2.0	5.8

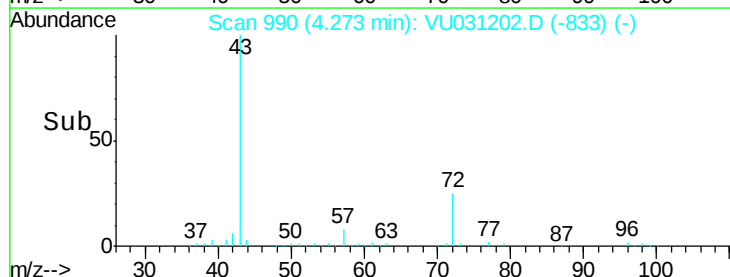
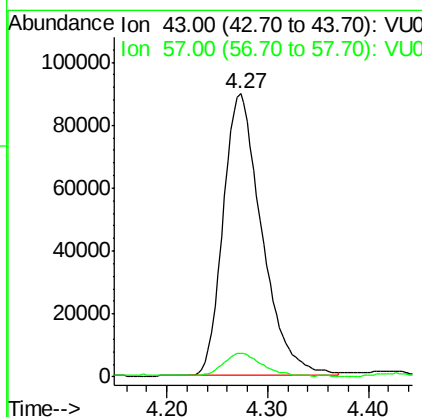
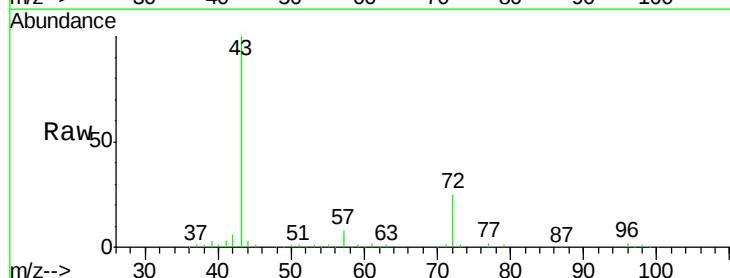
Manual Integrations
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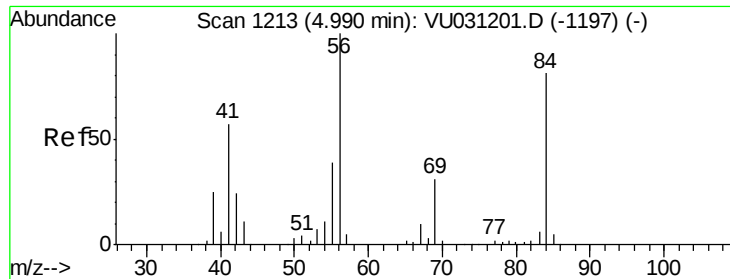
MMDadoda
 4/16/2019 3:23:33 PM



#18
 2-Butanone
 Concen: 66.684 ug/l
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion:	43	Resp:	237860
Ion Ratio	Lower	Upper	
43	100		
57	8.1	0.0	16.2





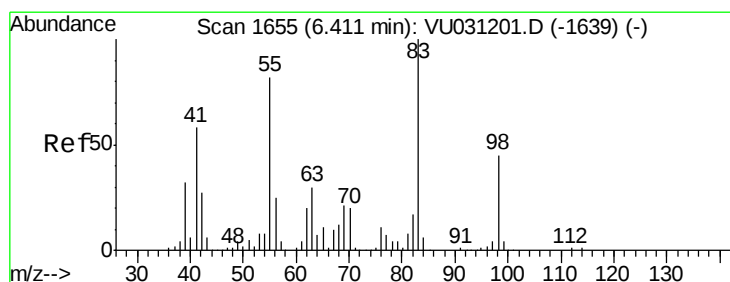
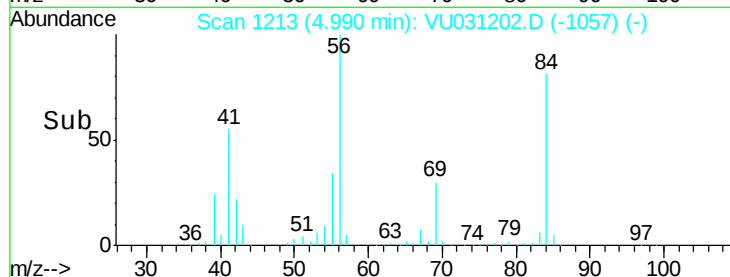
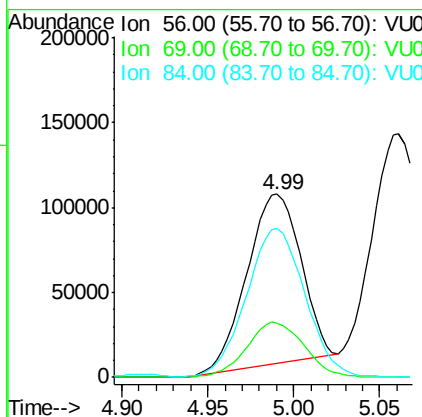
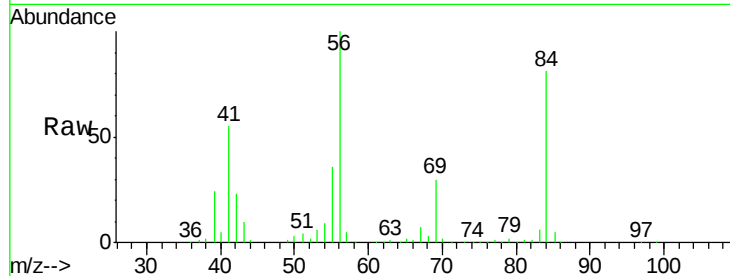
#19
Cyclohexane
Concen: 12.991 ug/l
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	28.3	42.5
84	94.3	75.2	112.8

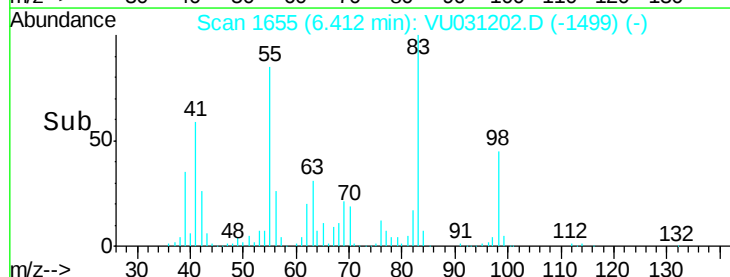
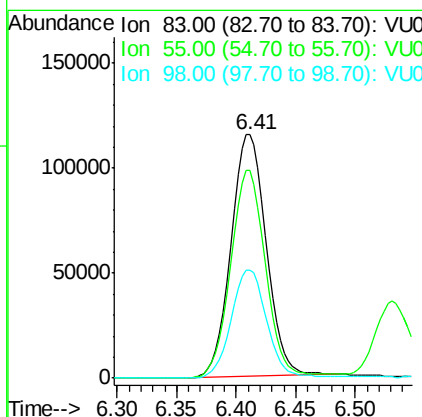
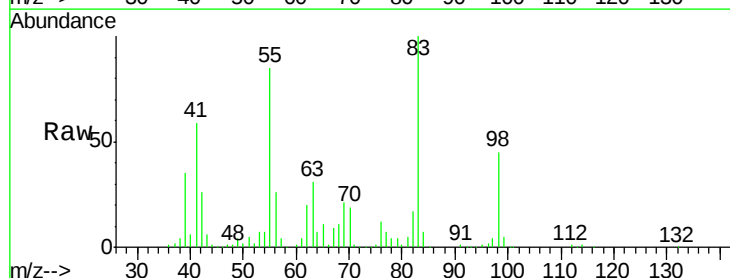
Manual Integrations
APPROVED

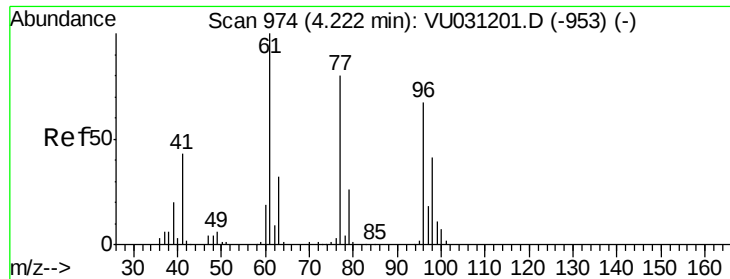
MMDadoda
4/16/2019 3:23:33 PM



#20
Methylcyclohexane
Concen: 16.308 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.2	68.2	102.2
98	44.1	35.8	53.8





#21

2,2-Dichloropropane

Concen: 13.839 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 77 Resp: 222095

Ion Ratio Lower Upper

77 100

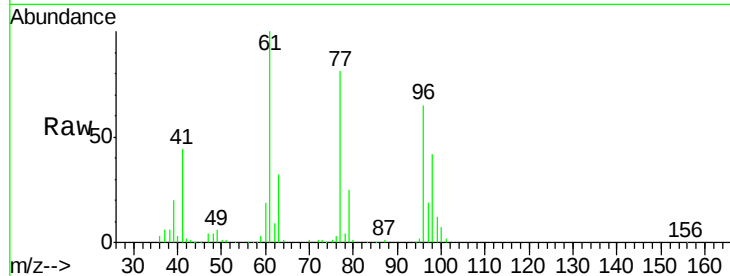
97 22.5 18.2 27.2

Manual Integrations

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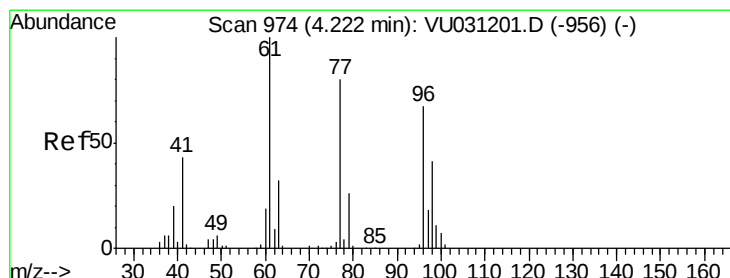
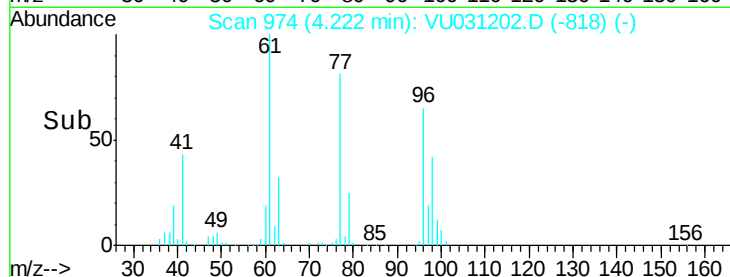
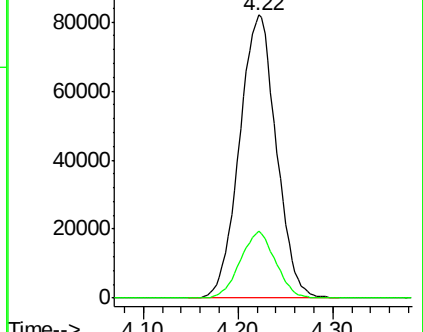
MMDadoda

4/16/2019 3:23:33 PM



Abundance Ion 77.00 (76.70 to 77.70): VU031201.D (-953) (-)

Ion 97.00 (96.70 to 97.70): VU031201.D (-953) (-)



#22

cis-1,2-Dichloroethene

Concen: 15.052 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

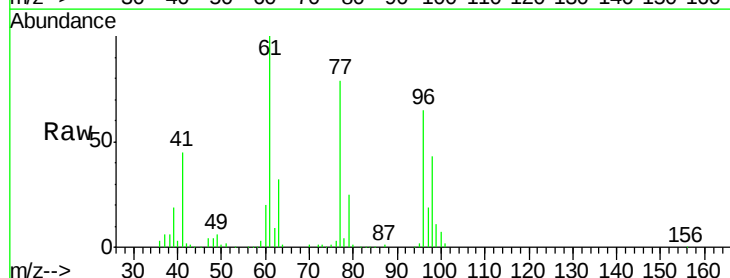
Tgt Ion: 96 Resp: 161311

Ion Ratio Lower Upper

96 100

61 155.9 0.0 380.0

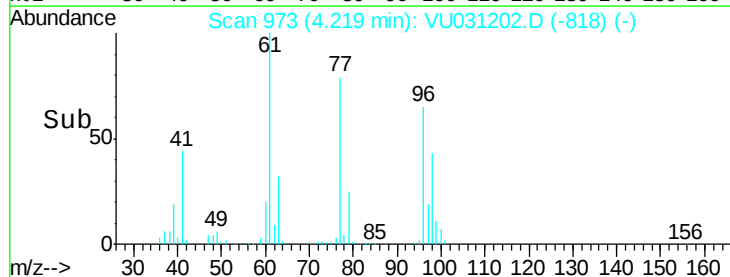
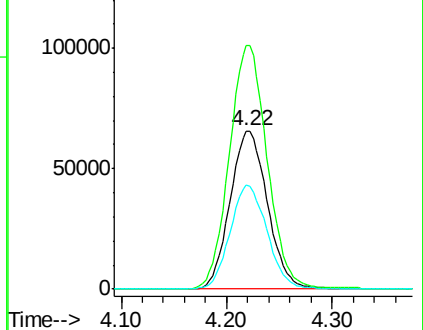
98 65.2 32.3 96.9

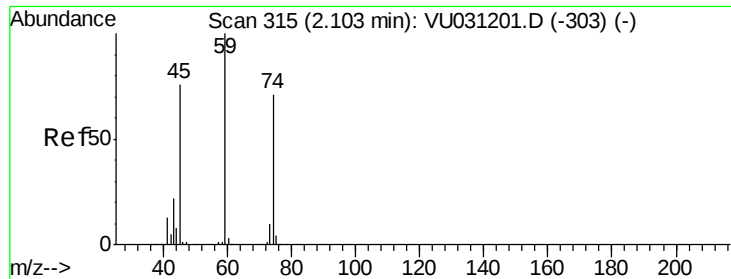


Abundance Ion 96.00 (95.70 to 96.70): VU031201.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU031201.D (-956) (-)

Ion 98.00 (97.70 to 98.70): VU031201.D (-956) (-)





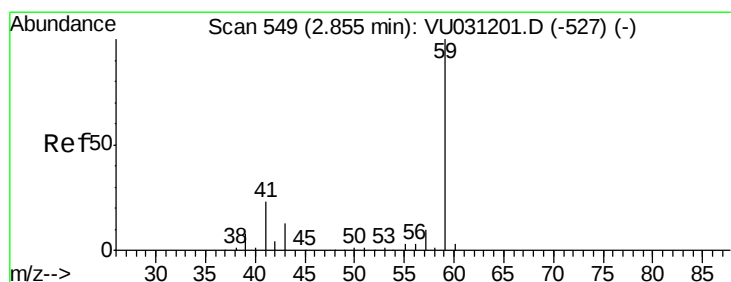
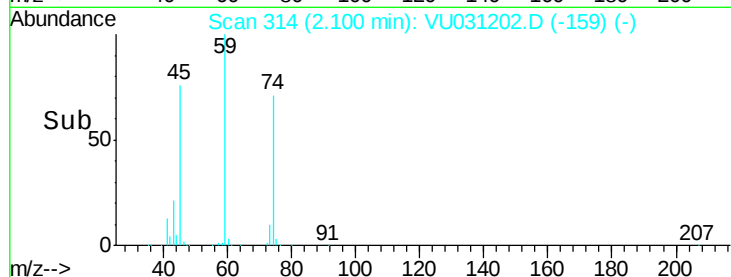
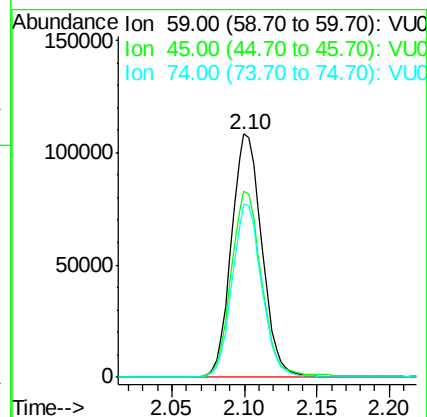
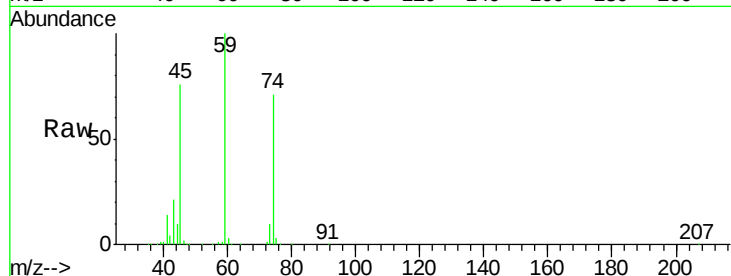
#23
Diethyl Ether
Concen: 16.752 ug/l
RT: 2.10 min Scan# 314
Delta R.T. -0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
59	100		
45	76.1	61.8	92.6
74	69.1	55.8	83.8

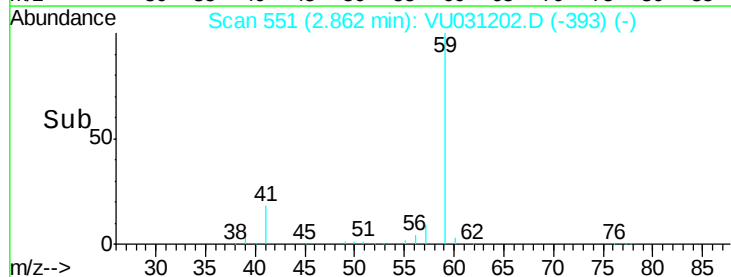
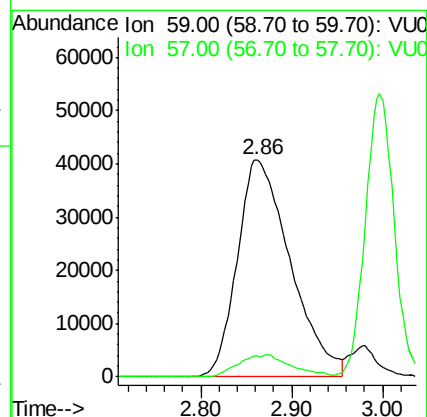
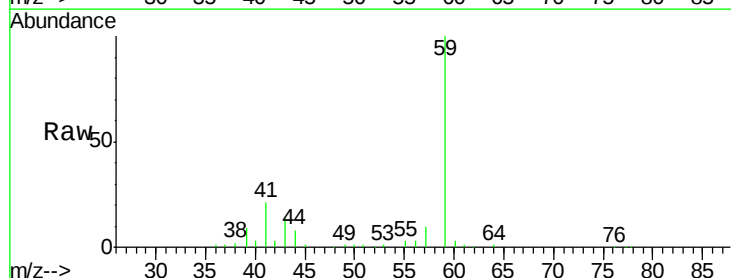
Manual Integrations
APPROVED

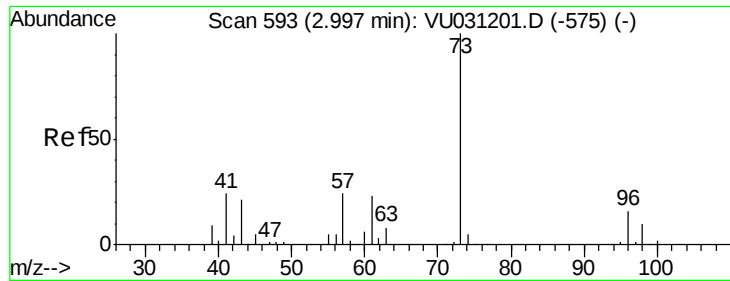
MMDadoda
4/16/2019 3:23:33 PM



#24
tert-Butyl Alcohol
Concen: 149.769 ug/l
RT: 2.86 min Scan# 551
Delta R.T. 0.01 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.4	12.6





#25

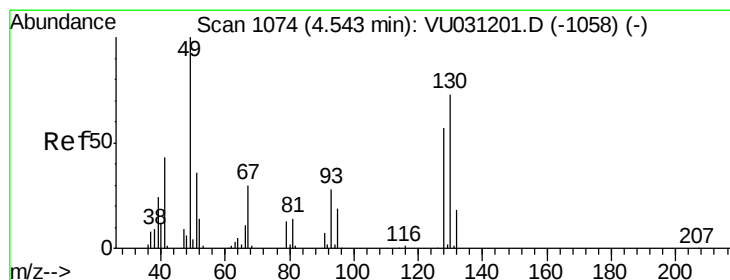
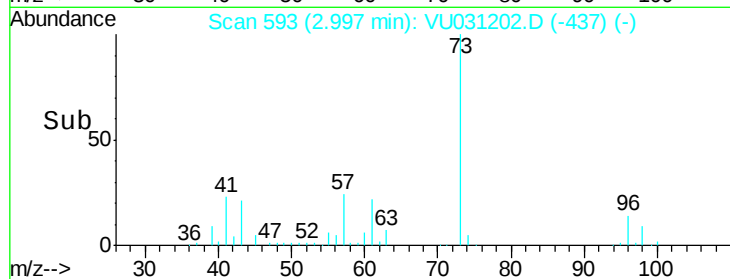
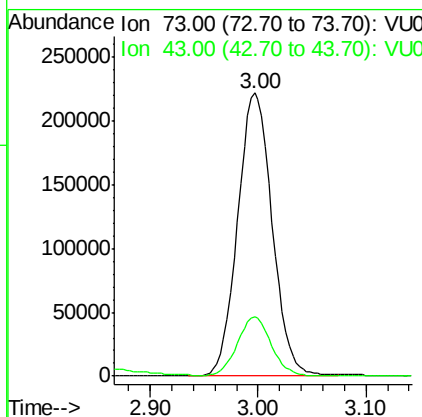
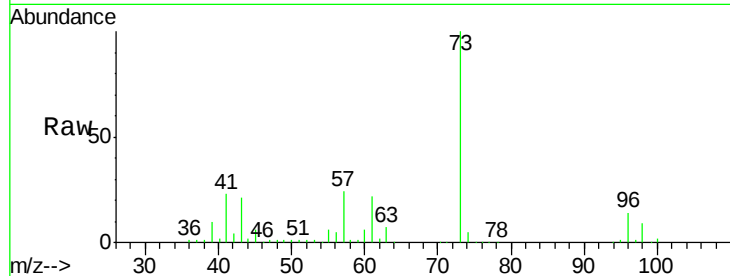
Methvl tert-Butvl Ether
 Concen: 16.890 ug/l
 RT: 3.00 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion: 73 Resp: 495515
 Ion Ratio Lower Upper
 73 100
 43 20.2 16.2 24.4

Manual Integrations
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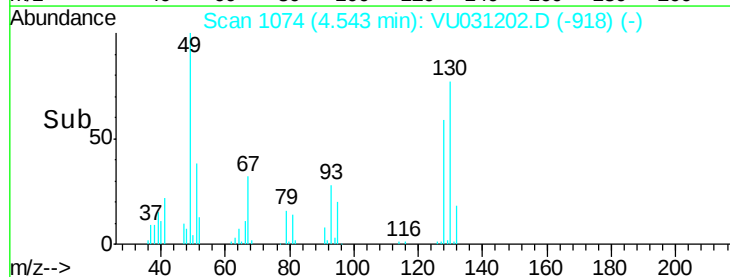
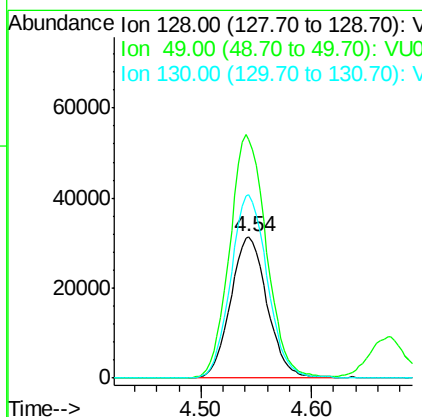
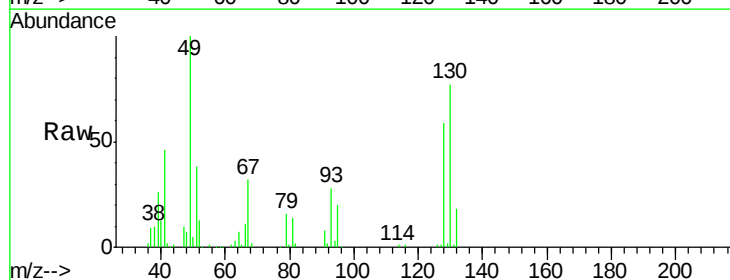
MMDadoda
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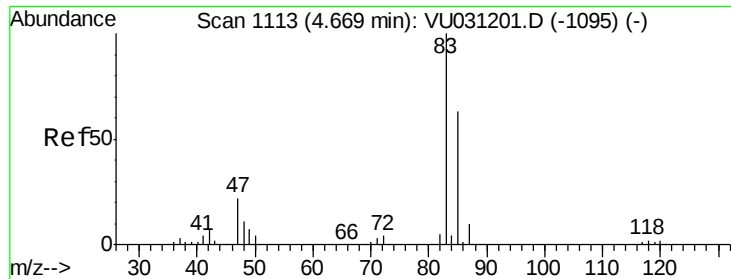


#26

Bromochloromethane
 Concen: 15.570 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion: 128 Resp: 72275
 Ion Ratio Lower Upper
 128 100
 49 172.4 0.0 345.8
 130 129.8 103.4 155.2





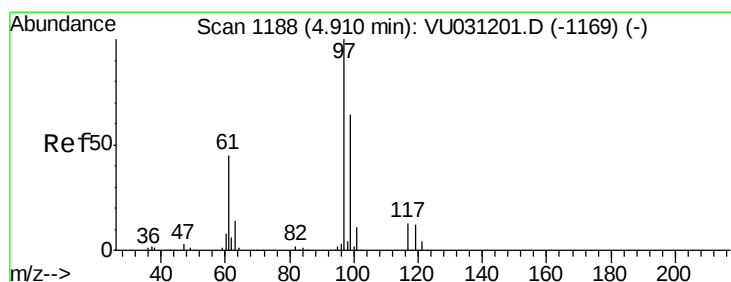
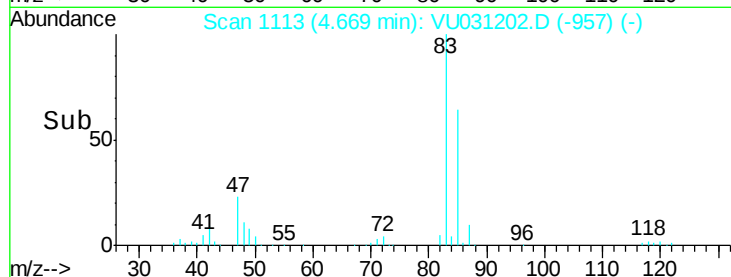
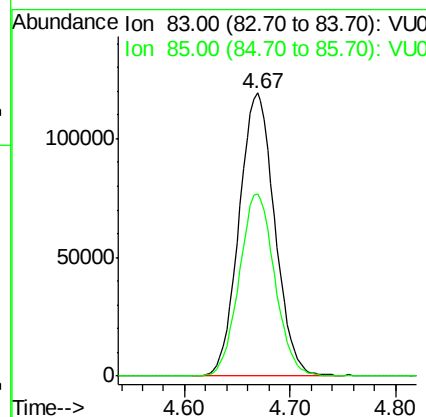
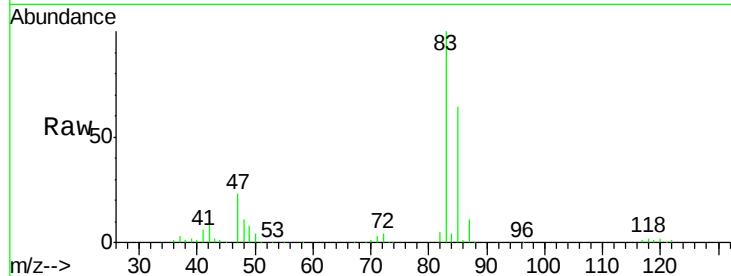
#27
Chloroform
Concen: 14.237 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

Tot Ion	83	Resp	280152
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	0.0	126.6

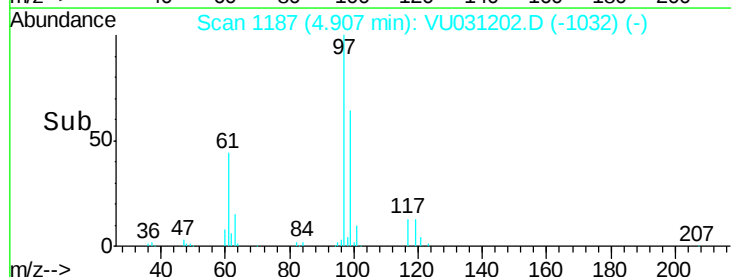
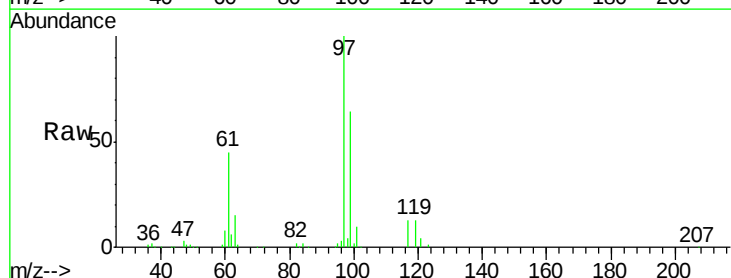
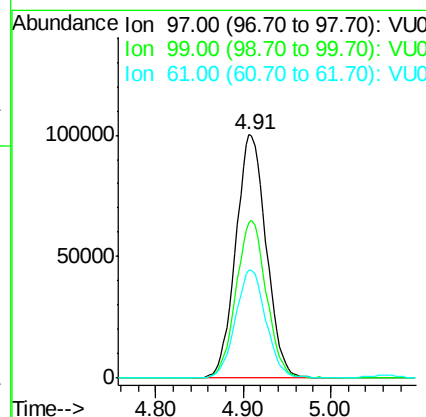
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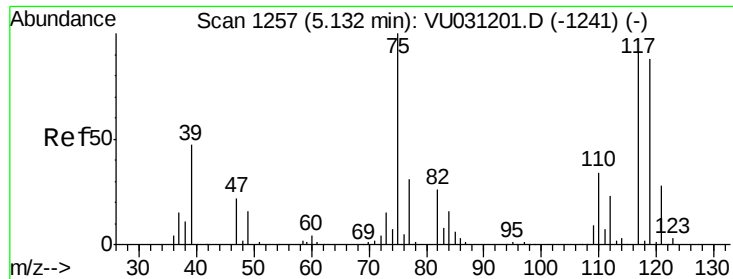
MMDadoda
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#28
1,1,1-Trichloroethane
Concen: 14.964 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion	97	Resp	242428
Ion Ratio	100	Lower	Upper
97	100		
99	64.2	32.0	96.0
61	44.4	22.2	66.6





#29

1,1-Dichloropropene

Concen: 15.078 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

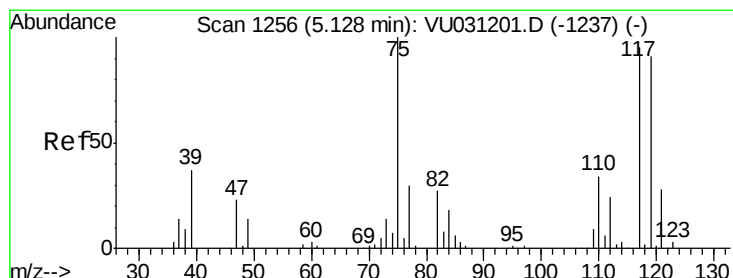
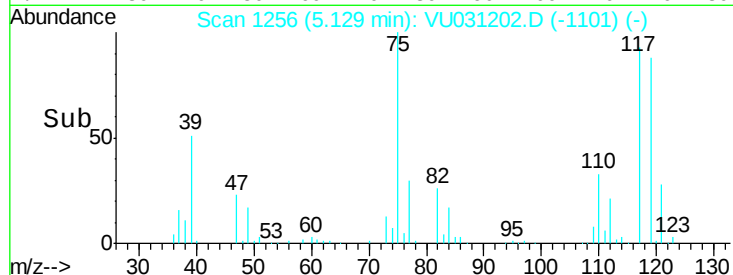
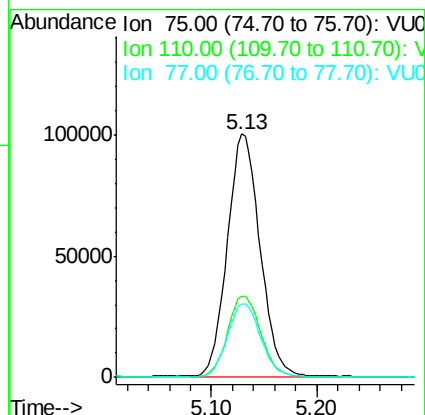
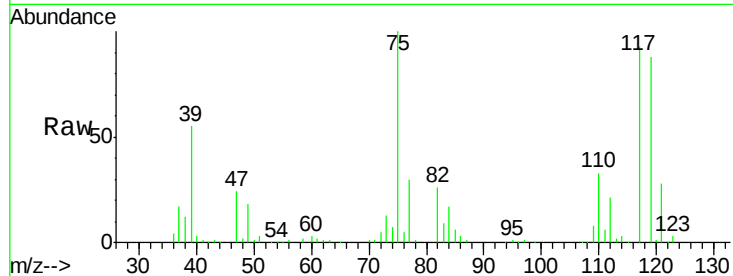
ClientSampleId :

VSTDIC015

Tot Ion:	75	Resp:	213947
Ion Ratio	Lower	Upper	
75	100		
110	34.4	17.2	51.5
77	30.7	24.9	37.3

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#30

Carbon Tetrachloride

Concen: 15.294 ug/l

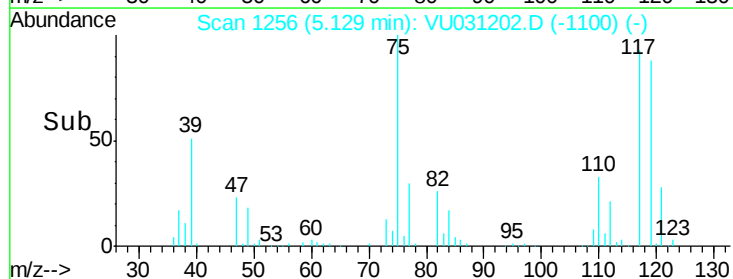
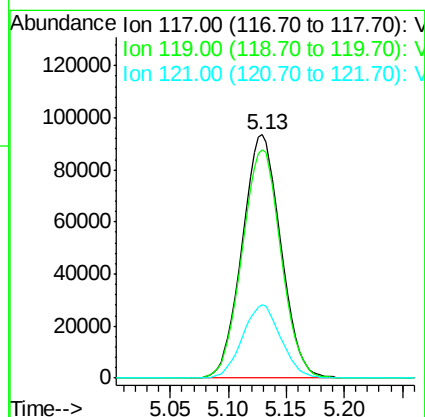
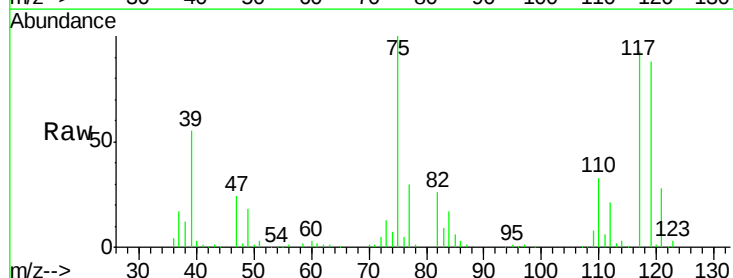
RT: 5.13 min Scan# 1256

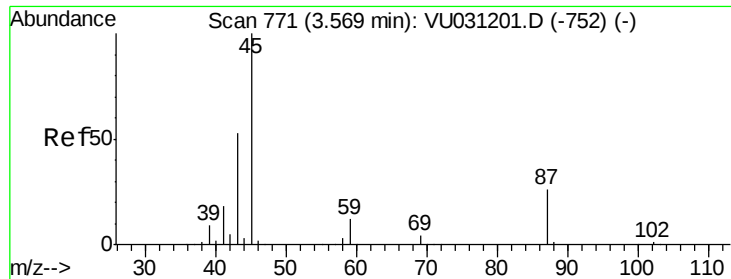
Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Tgt Ion:	117	Resp:	216374
Ion Ratio	Lower	Upper	
117	100		
119	94.0	76.2	114.4
121	30.1	23.8	35.8





#31

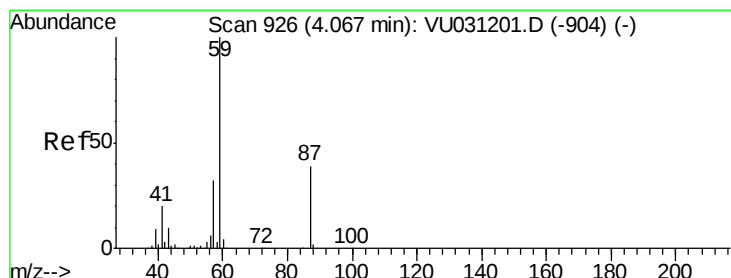
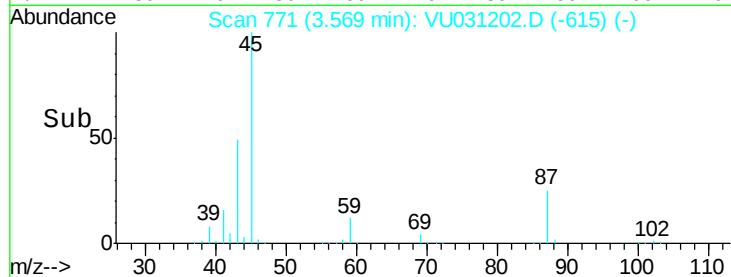
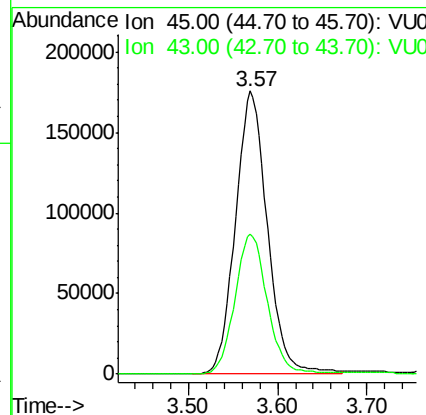
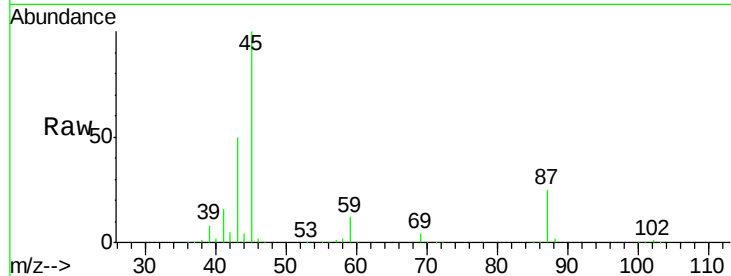
Isopropyl Ether
 Concen: 12.921 ug/l
 RT: 3.57 min Scan# 771
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	45	43	Ratio	100	Resp	436091
Ion	45	43	Ratio	100	Lower	Upper
					26.4	79.2

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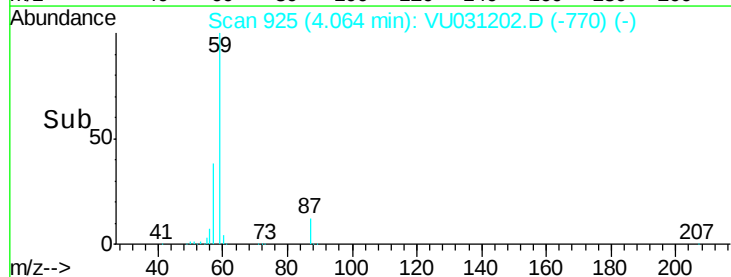
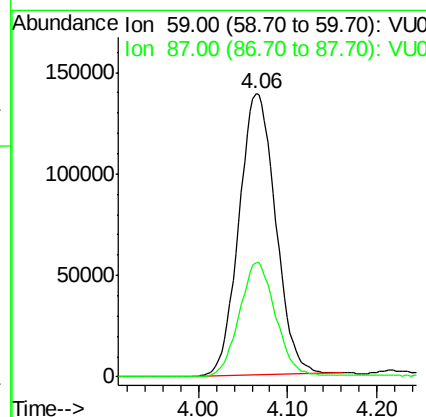
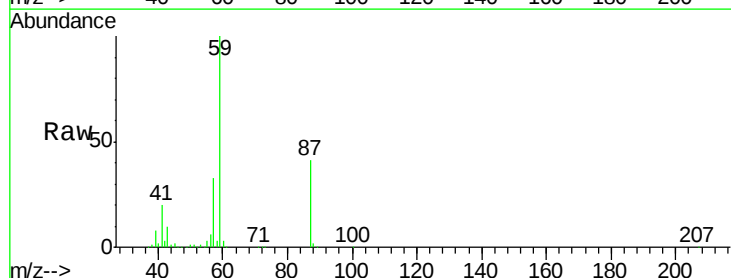
MMDadoda
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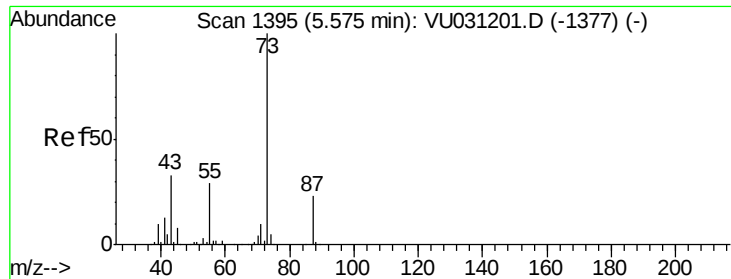


#32

Ethyl-t-butyl ether
 Concen: 14.396 ug/l
 RT: 4.06 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion	59	87	Ratio	100	Resp	394842
Ion	59	87	Ratio	100	Lower	Upper
					32.2	48.2





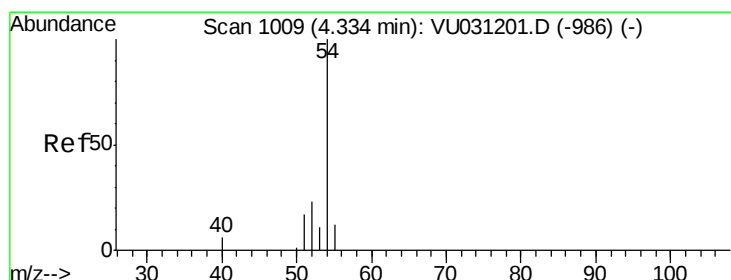
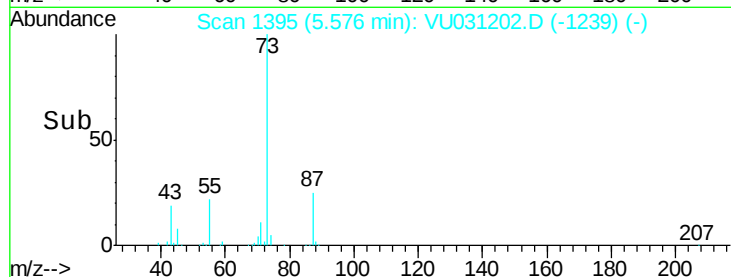
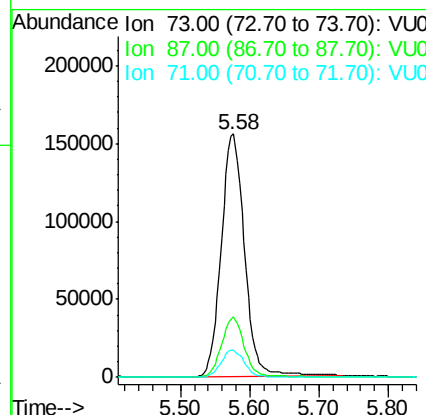
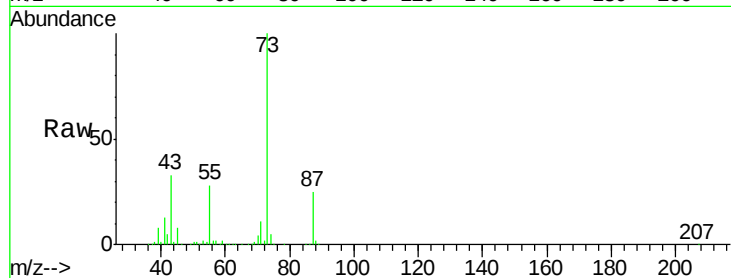
#33
Tert-Butyl methyl ether
Concen: 15.708 ug/l
RT: 5.58 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.4	18.4	27.6
71	11.0	8.8	13.2

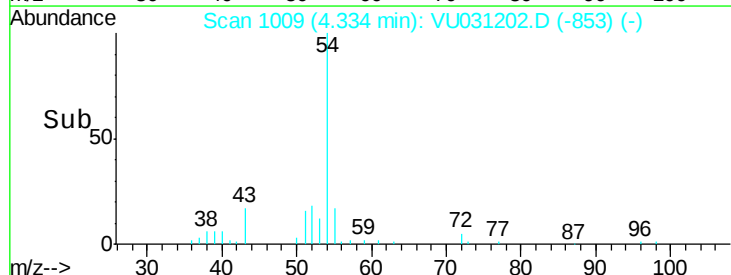
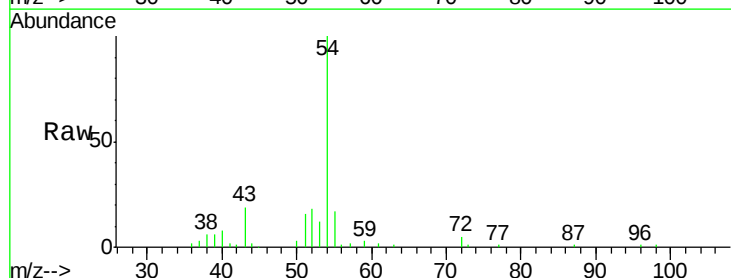
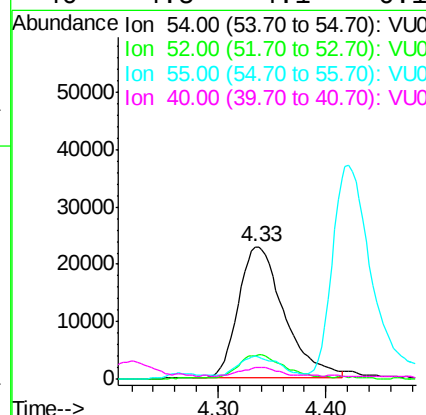
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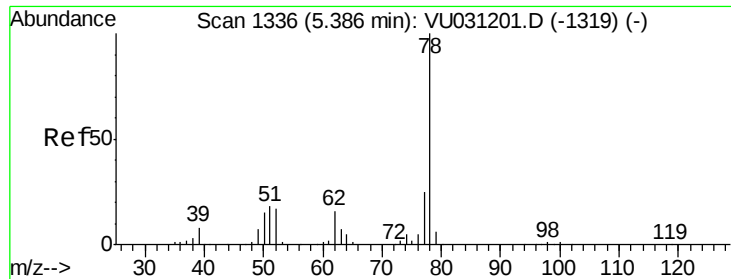
MMDadoda
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#34
Propionitrile
Concen: 76.584 ug/l
RT: 4.33 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.1	15.9	23.9
55	13.9	8.9	13.3
40	4.5	4.1	6.1





#35

Benzene

Concen: 14.611 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 78 Resp: 615457

Ion Ratio Lower Upper

78 100

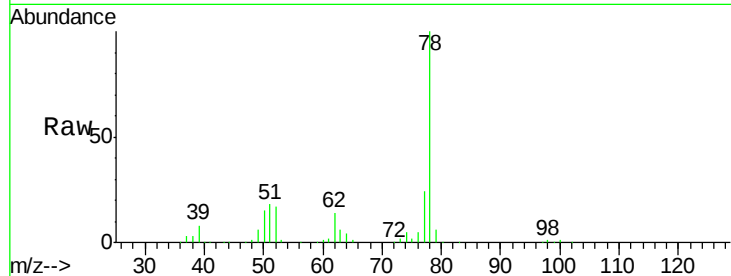
77 24.3 19.6 29.4

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Abundance Ion 78.10 (77.80 to 78.80): VU031201.D (-1319) (-)

Ion 77.00 (76.70 to 77.70): VU031201.D (-1319) (-)

5.38

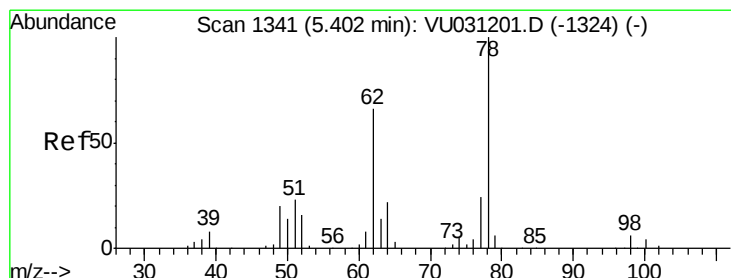
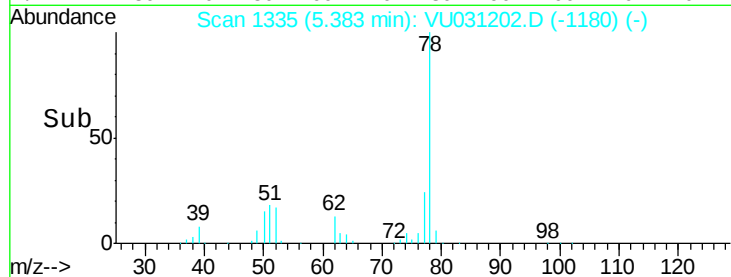
300000

200000

100000

0

Time-->



#36

1,2-Dichloroethane

Concen: 14.317 ug/l

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU031202.D

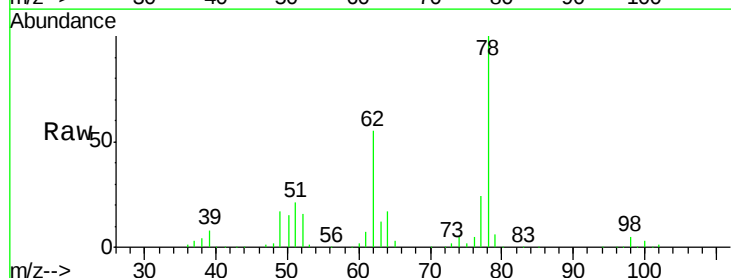
Acq: 15 Apr 2019 22:47

Tgt Ion: 62 Resp: 191831

Ion Ratio Lower Upper

62 100

98 8.5 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VU031201.D (-1324) (-)

Ion 98.00 (97.70 to 98.70): VU031201.D (-1324) (-)

5.40

100000

80000

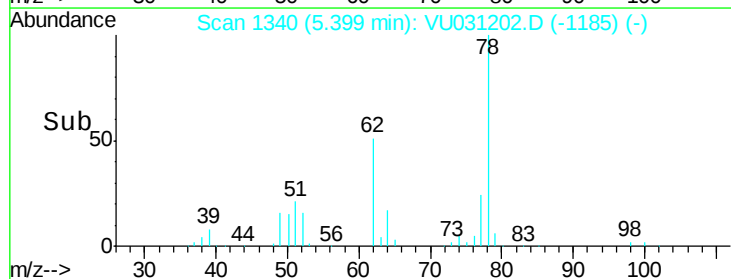
60000

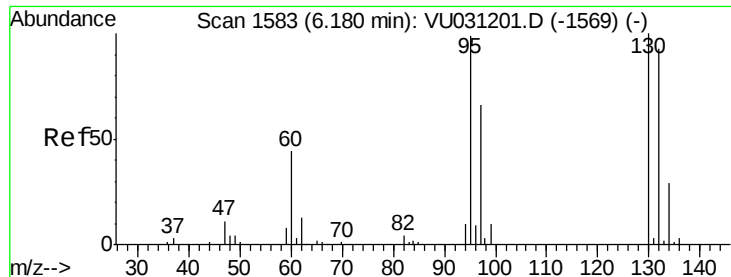
40000

20000

0

Time-->





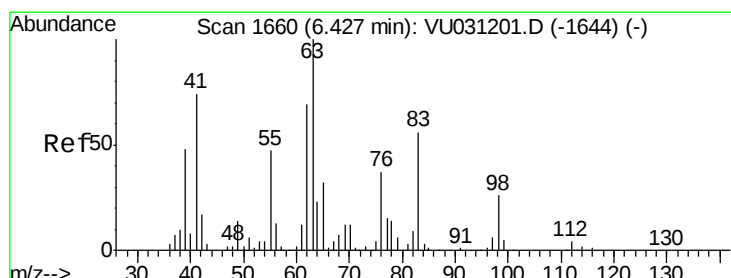
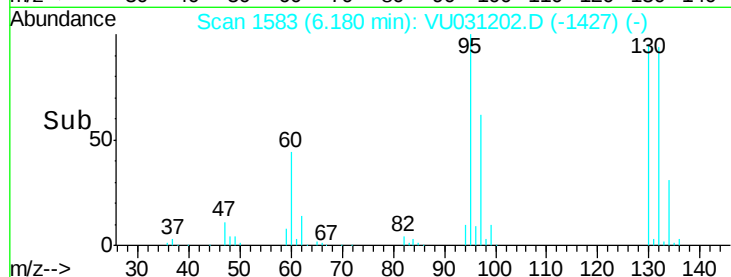
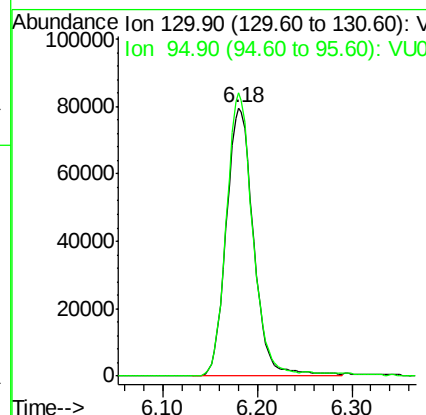
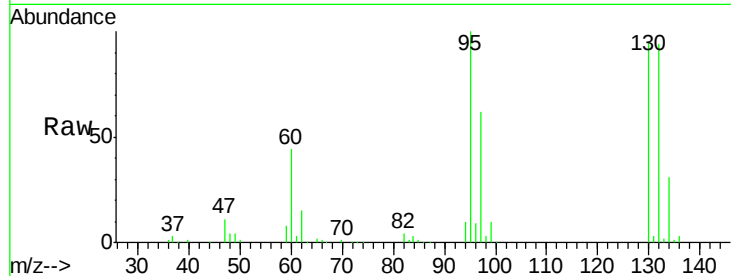
#37
 Trichloroethene
 Concen: 15.627 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion:130 Resp: 160211
 Ion Ratio Lower Upper
 130 100
 95 105.6 79.3 118.9

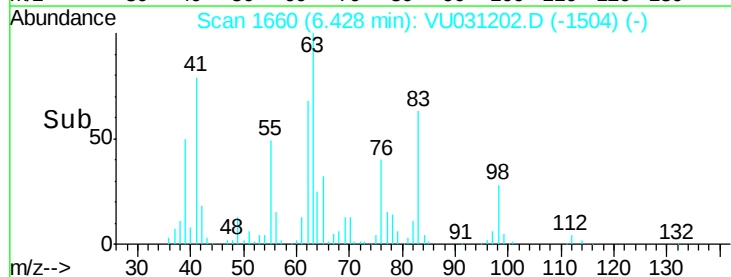
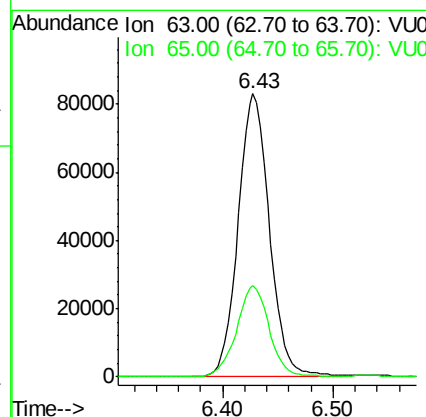
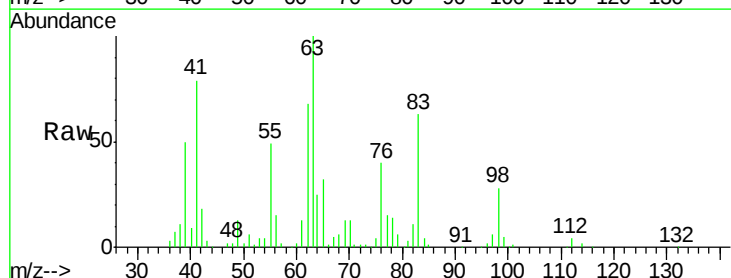
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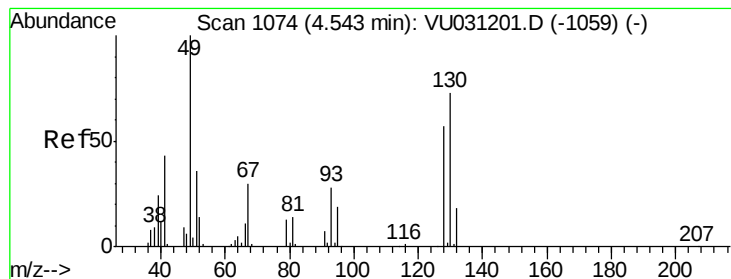
MMDadoda
 4/16/2019 3:23:33 PM



#38
 1,2-Dichloropropane
 Concen: 13.618 ug/l
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion: 63 Resp: 163587
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.5 38.3





#39

Methacrylonitrile

Concen: 13.847 ug/l

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 41 Resp: 60708

Ion Ratio Lower Upper

41 100

67 73.4 59.7 89.5

39 53.8 42.2 63.2

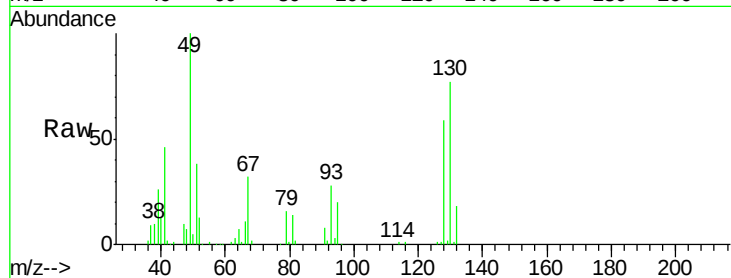
52 29.8 24.4 36.6

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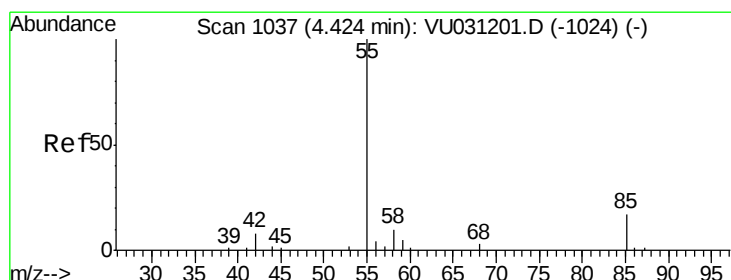
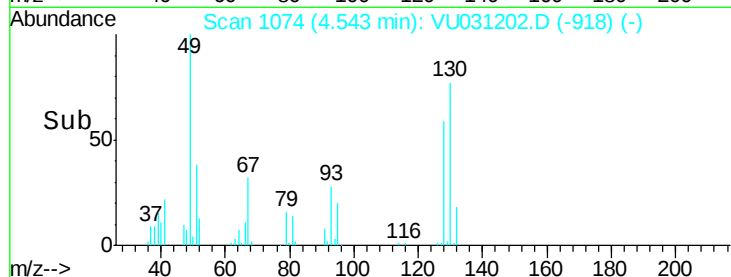
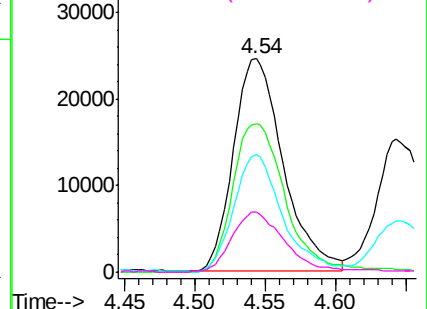


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40

Methyl acrylate

Concen: 17.005 ug/l

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Tgt Ion: 55 Resp: 91617

Ion Ratio Lower Upper

55 100

85 16.3 12.2 18.2

58 9.6 7.0 10.6

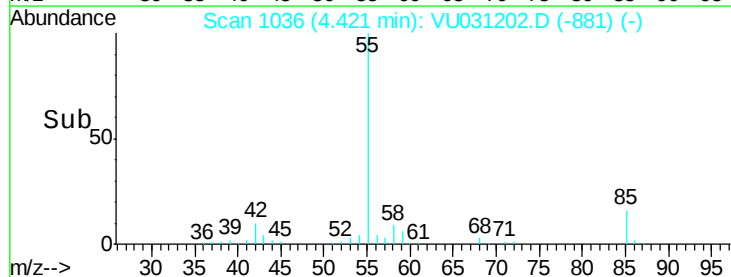
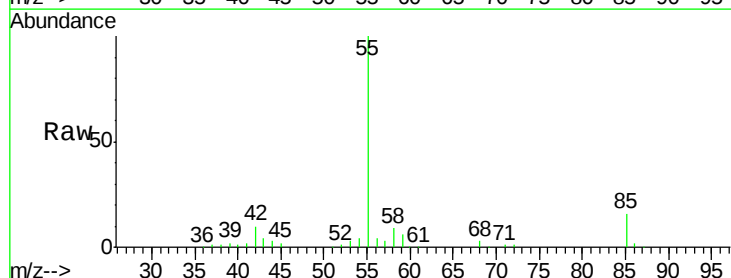
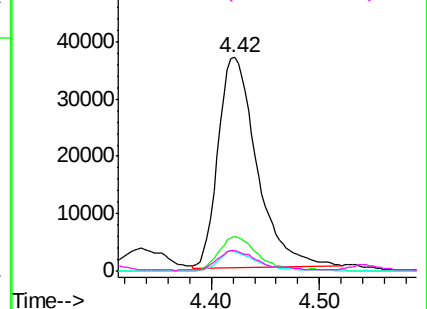
42 9.5 6.9 10.3

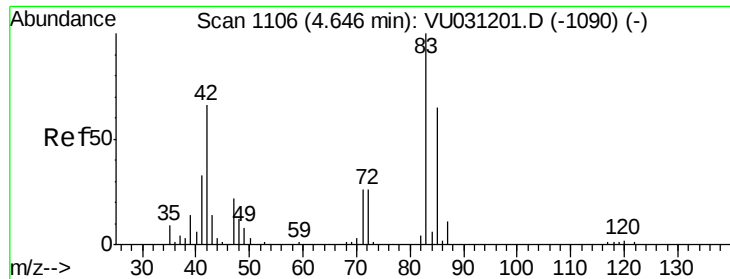
Abundance Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0





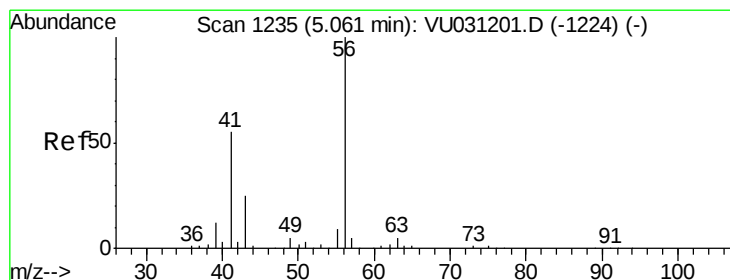
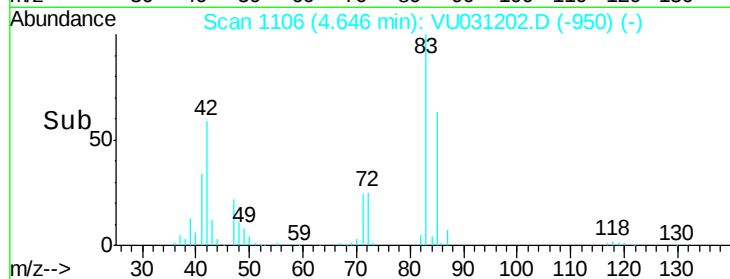
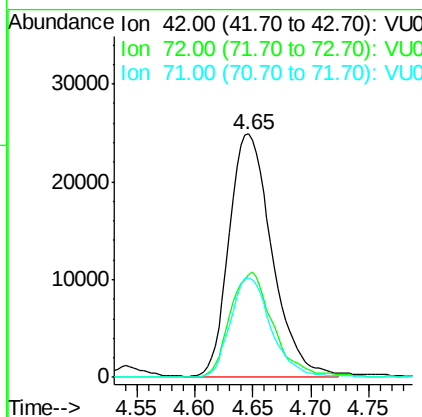
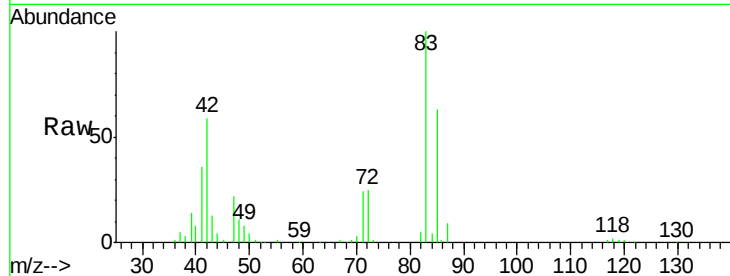
#41
Tetrahydrofuran
Concen: 27.190 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.4	51.6
71	38.8	32.0	48.0

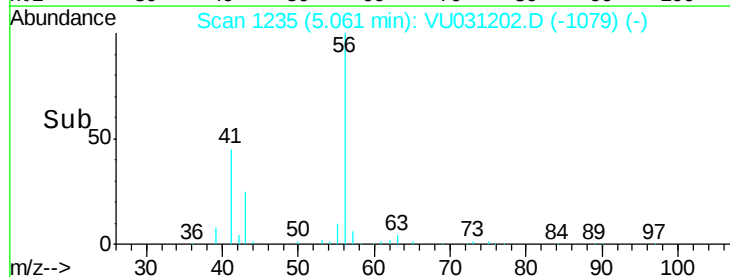
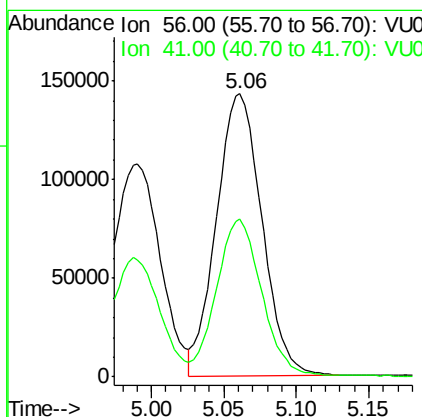
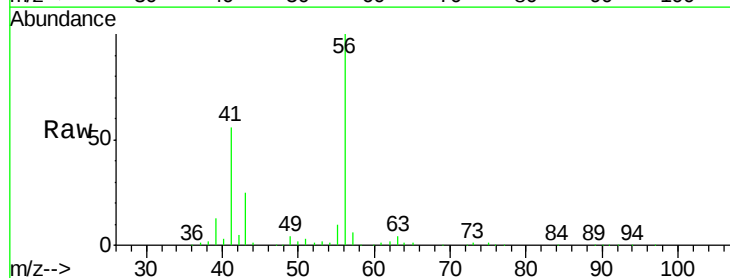
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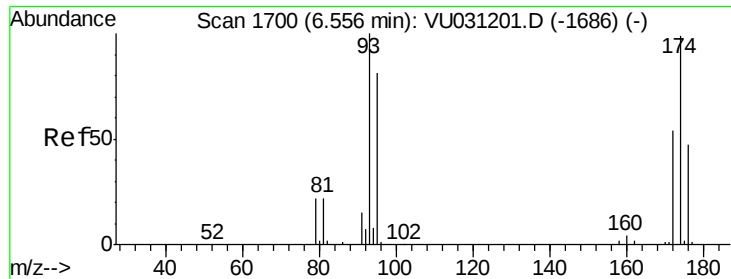
MMDadoda
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#42
1-Chlorobutane
Concen: 14.369 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion	Ratio	Lower	Upper
56	100		
41	55.5	27.3	81.9





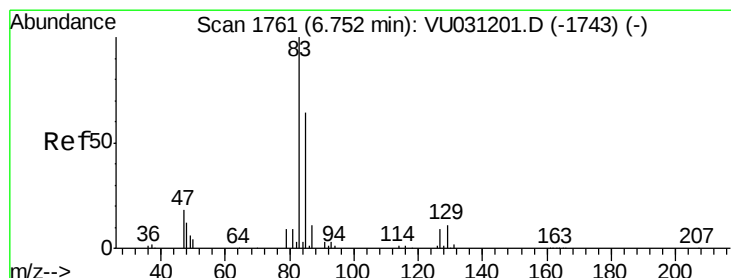
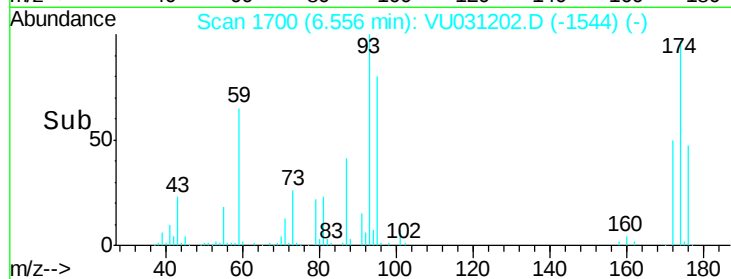
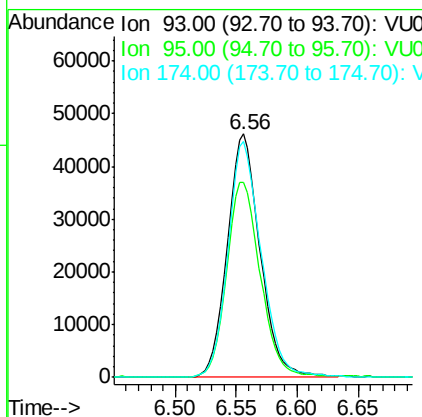
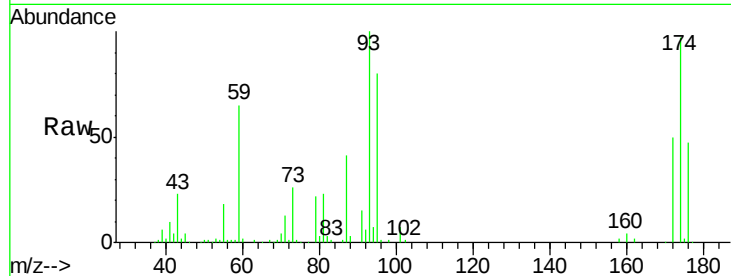
#43
Dibromomethane
Concen: 15.367 ug/l
RT: 6.56 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		86594		
95	82.6	67.4	101.0		
174	98.2	79.1	118.7		

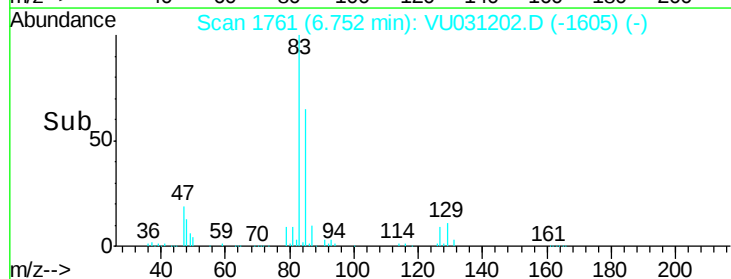
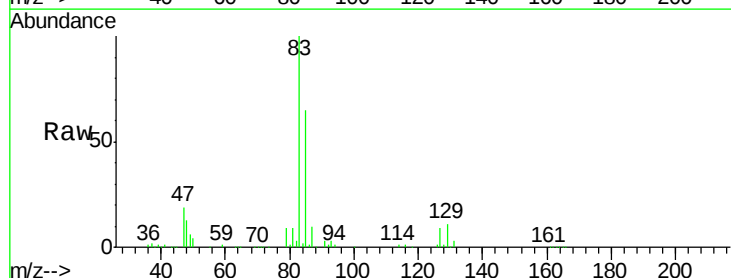
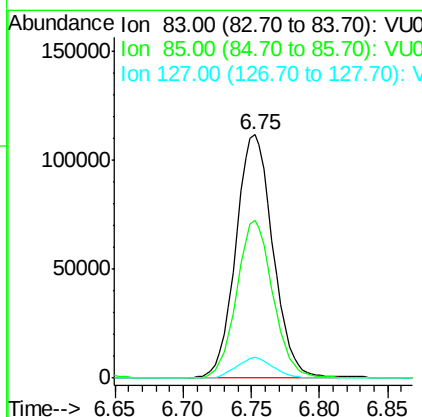
Manual Integrations
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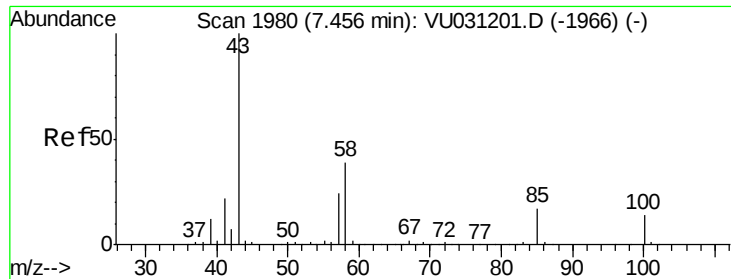
MMDadoda
4/16/2019 3:23:33 PM



#44
Bromodichloromethane
Concen: 14.261 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		209907		
85	64.8	51.0	76.6		
127	8.6	7.4	11.0		





#45

4-Methyl-2-Pentanone

Concen: 71.899 ug/l

RT: 7.46 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

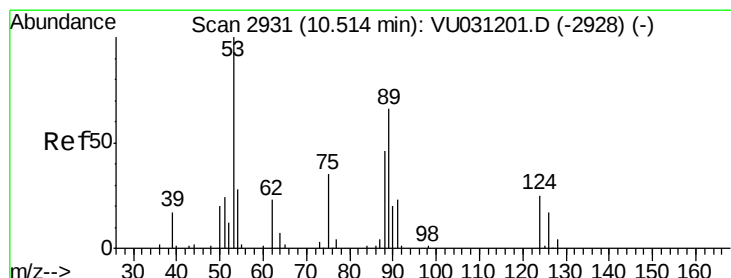
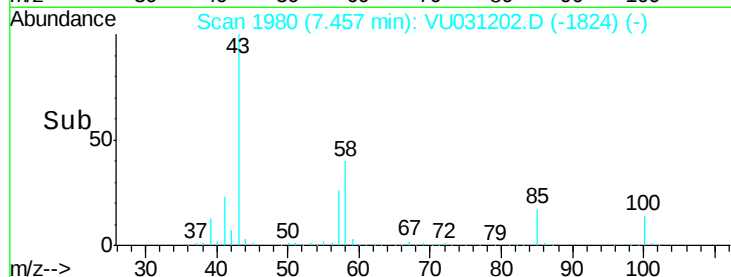
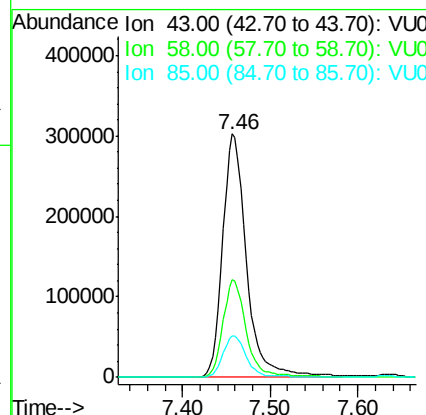
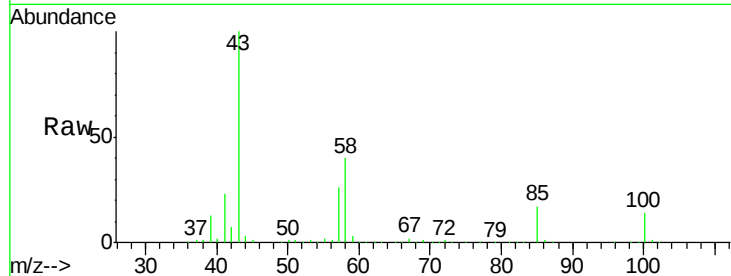
ClientSampleId :

VSTDIC015

Tot Ion:	43	Resp:	576267
Ion	Ratio	Lower	Upper
43	100		
58	39.0	19.4	58.2
85	16.5	13.2	19.8

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#46

t-1,4-Dichloro-2-butene

Concen: 34.309 ug/l m

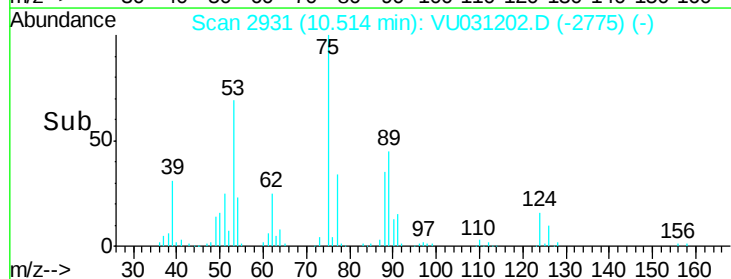
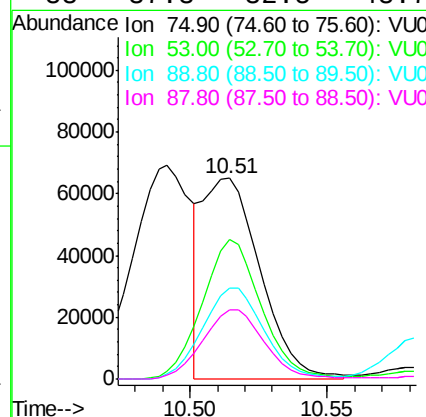
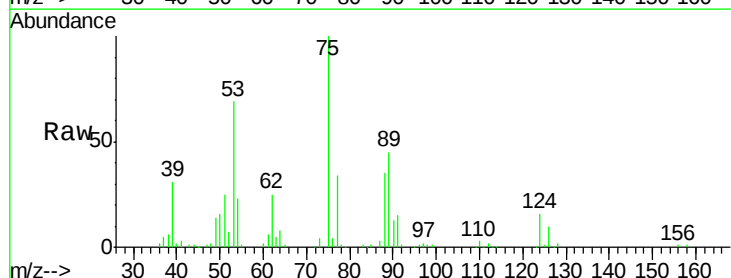
RT: 10.51 min Scan# 2931

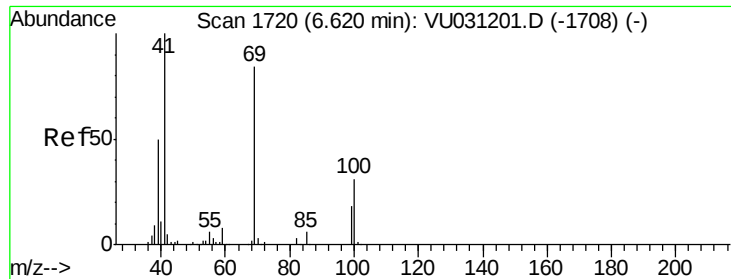
Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Tgt Ion:	75	Resp:	94665
Ion	Ratio	Lower	Upper
75	100		
53	71.8	65.2	97.8
89	48.9	43.0	64.4
88	37.3	32.5	48.7





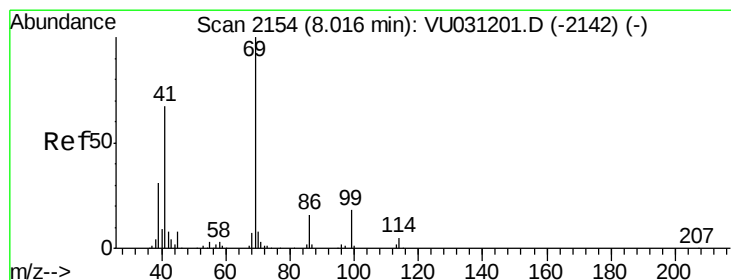
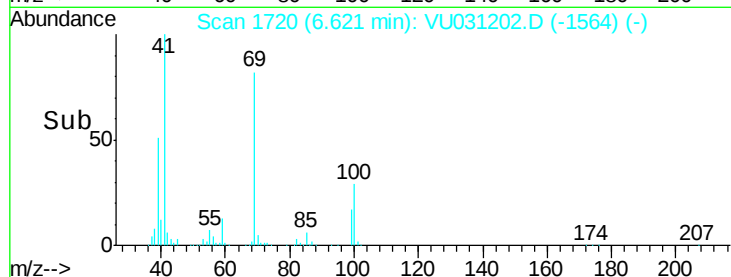
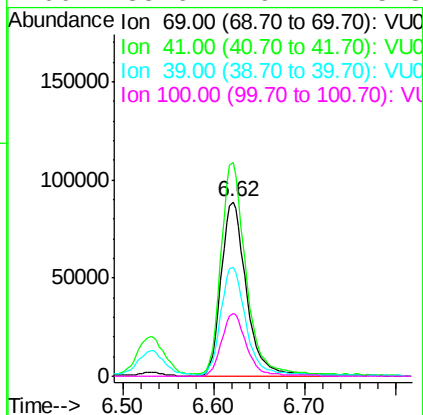
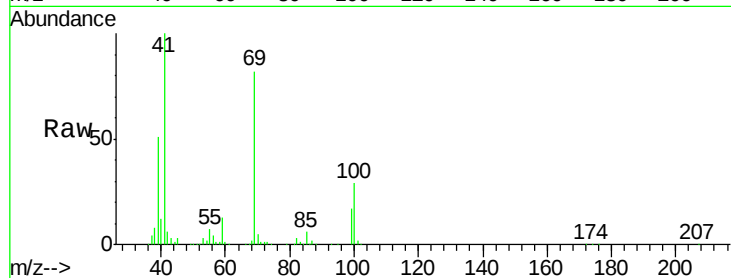
#47
Methvl methacrylate
Concen: 33.337 ug/l
RT: 6.62 min Scan# 1720
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	118.5	0.0	237.2		
39	61.3	47.4	71.2		
100	35.6	29.2	43.8		

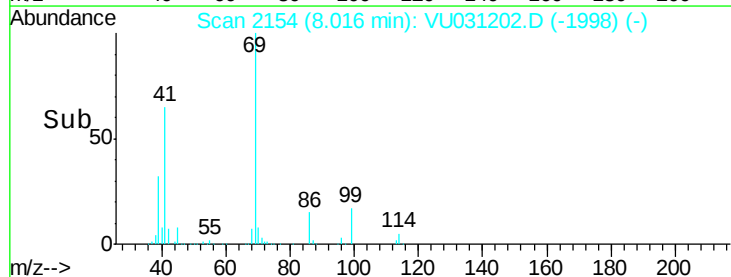
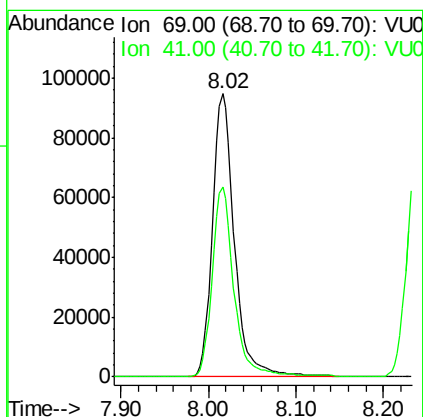
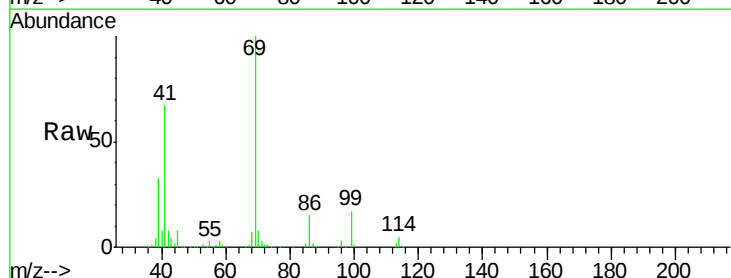
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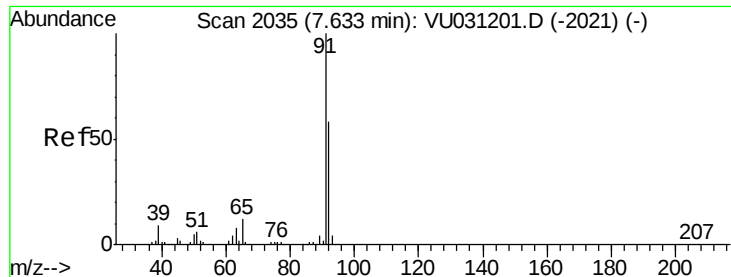
MMDadoda
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#48
Ethyl methacrylate
Concen: 17.169 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	66.4	32.5	97.5		





#49

Toluene

Concen: 16.007 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 92 Resp: 367922

Ion Ratio Lower Upper

92 100

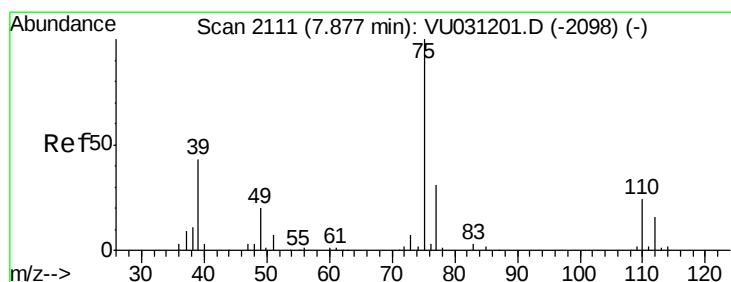
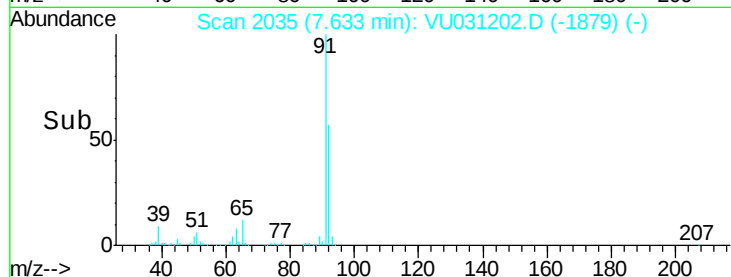
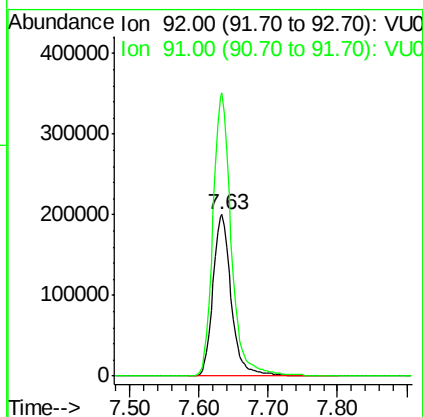
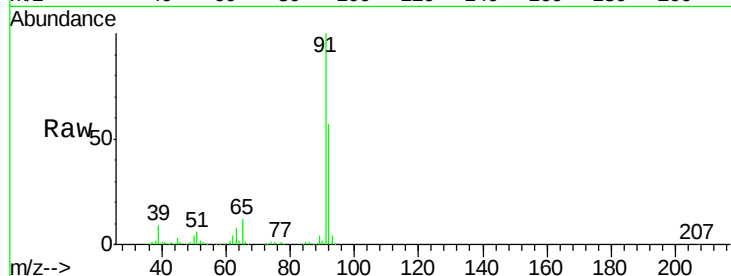
91 175.1 140.2 210.4

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#50

t-1,3-Dichloropropene

Concen: 15.786 ug/l

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU031202.D

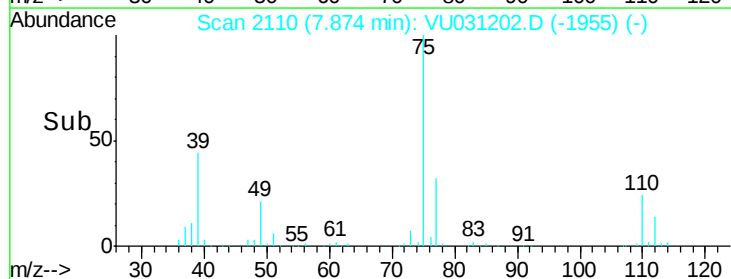
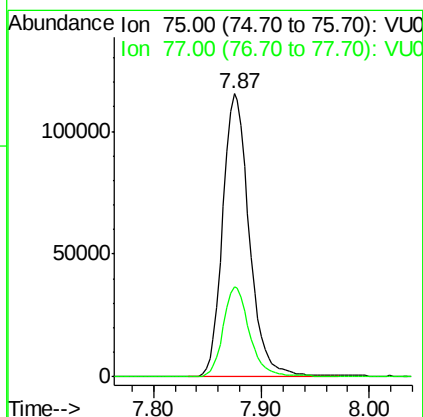
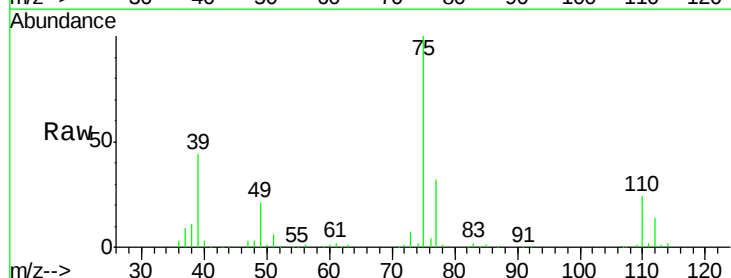
Acq: 15 Apr 2019 22:47

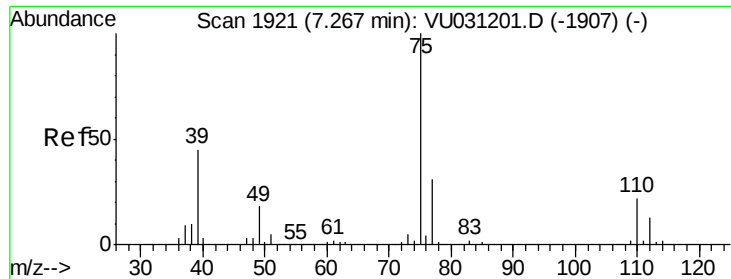
Tgt Ion: 75 Resp: 199207

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0





#51

cis-1,3-Dichloropropene

Concen: 15.101 ug/l

RT: 7.26 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Tot Ion:	75	Resp:	229021
Ion Ratio	Lower	Upper	
75	100		
77	31.9	24.6	37.0
39	47.0	36.1	54.1

Instrument :

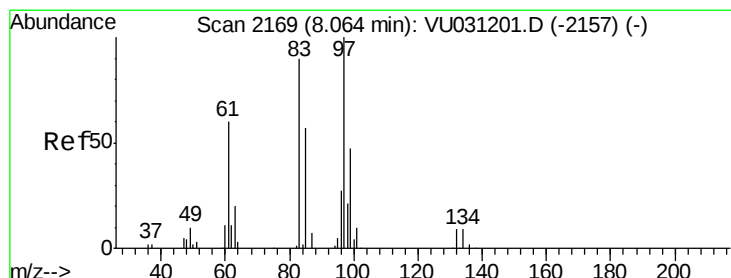
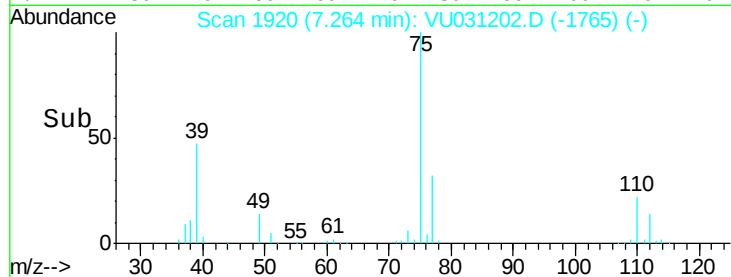
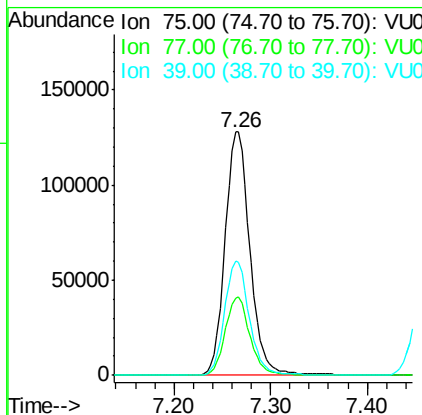
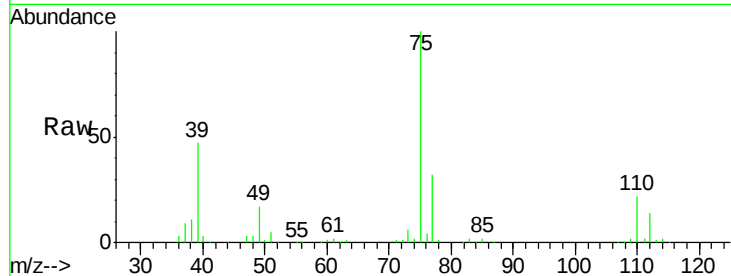
MSVOA_U

ClientSampleId :

VSTDIC015

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#52

1,1,2-Trichloroethane

Concen: 14.412 ug/l

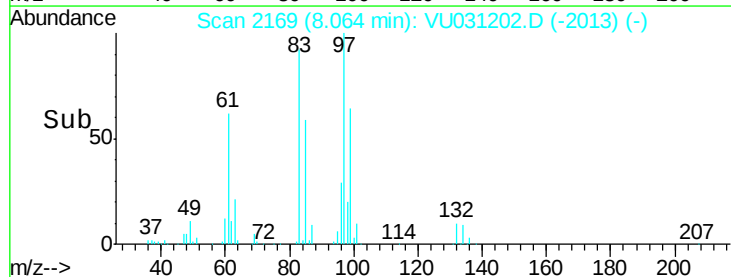
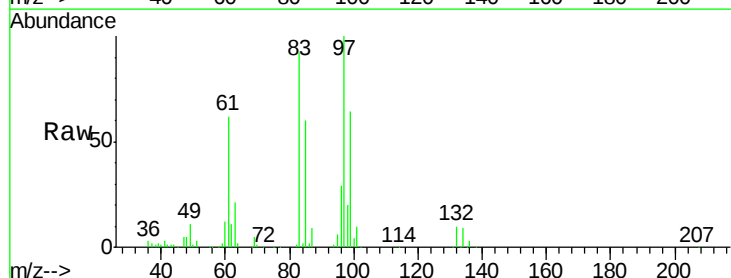
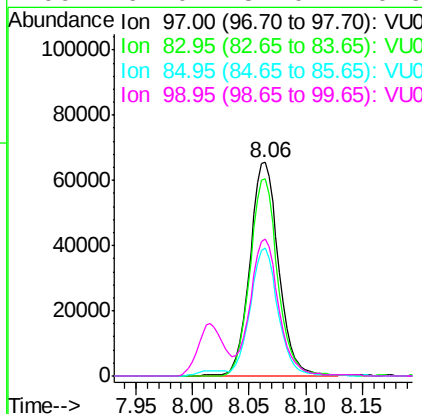
RT: 8.06 min Scan# 2169

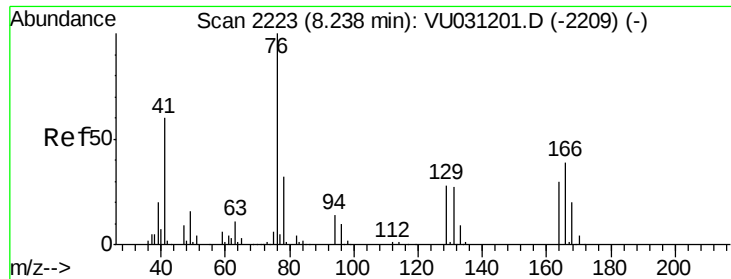
Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Tgt Ion:	97	Resp:	115855
Ion Ratio	Lower	Upper	
97	100		
83	92.4	71.5	107.3
85	59.4	46.7	70.1
99	64.0	51.0	76.6





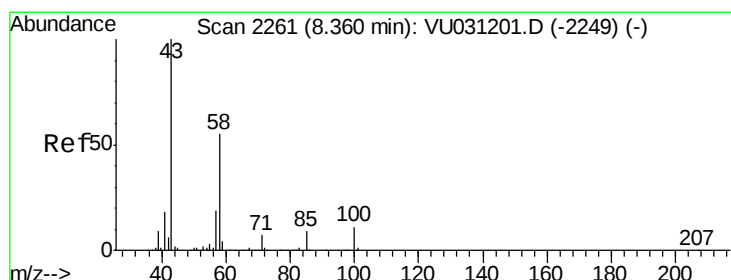
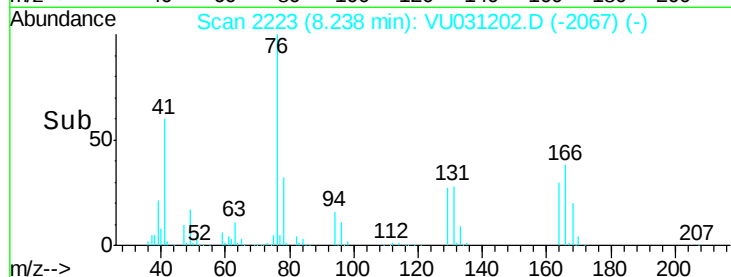
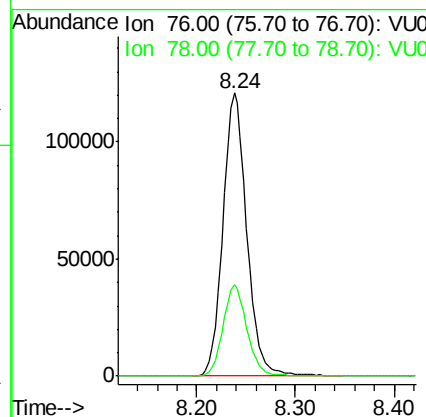
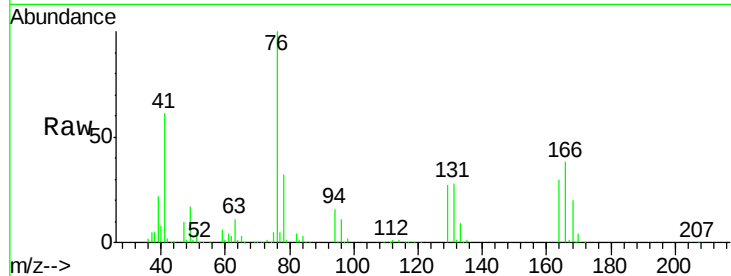
#53
 1,3-Dichloropropane
 Concen: 14.596 ug/l
 RT: 8.24 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion: 76 Resp: 205391
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.3 37.9

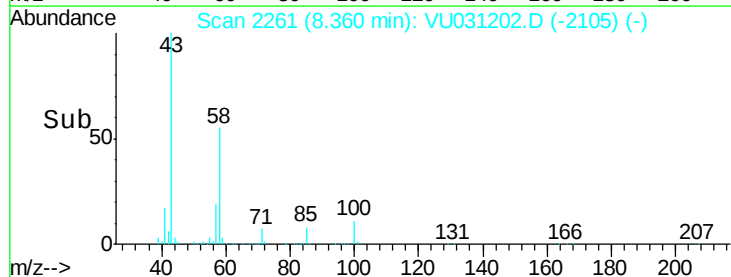
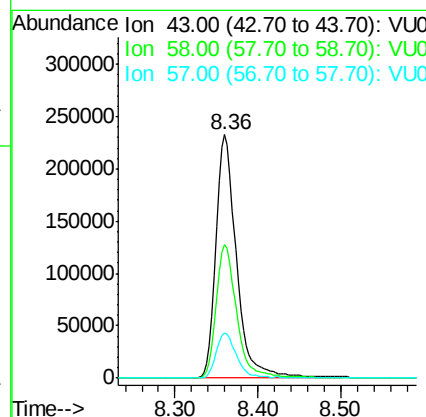
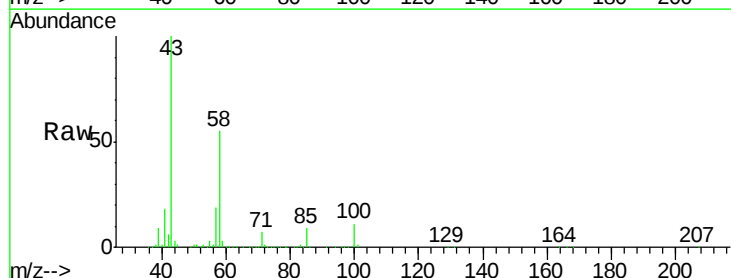
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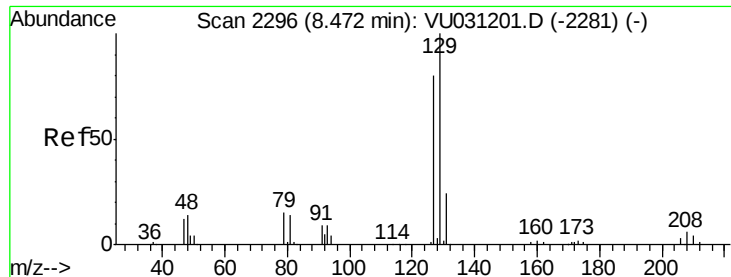
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#54
 2-Hexanone
 Concen: 76.191 ug/l
 RT: 8.36 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion: 43 Resp: 405099
 Ion Ratio Lower Upper
 43 100
 58 55.0 35.5 75.5
 57 18.4 0.0 38.7





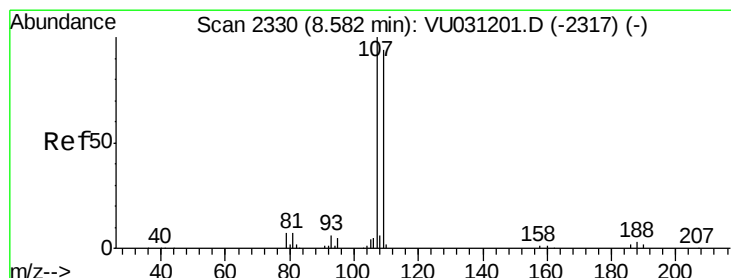
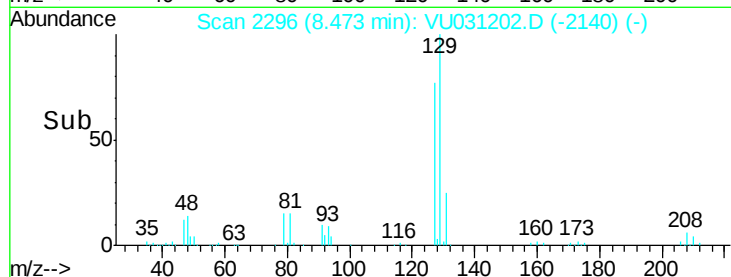
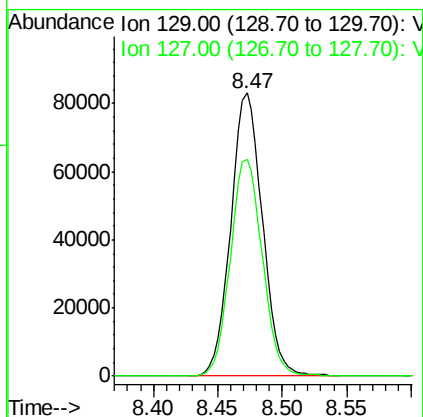
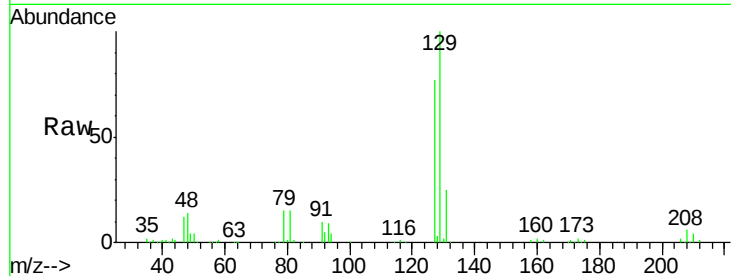
#55
Dibromochloromethane
Concen: 15.550 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.2	62.2	93.2	

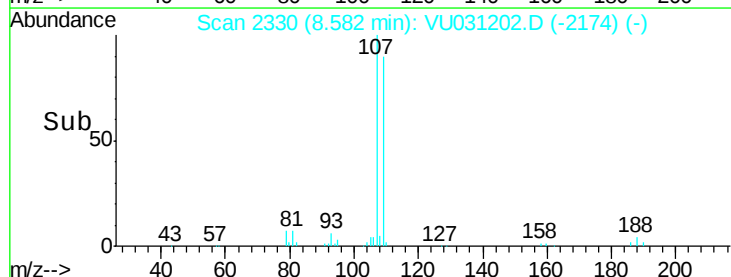
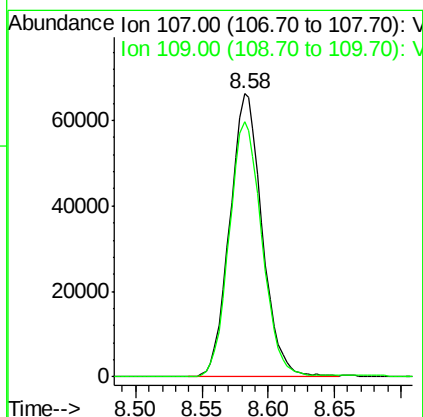
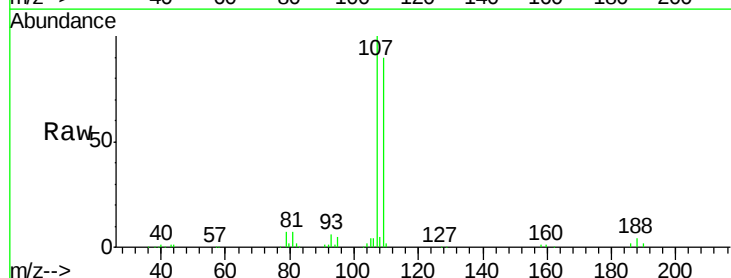
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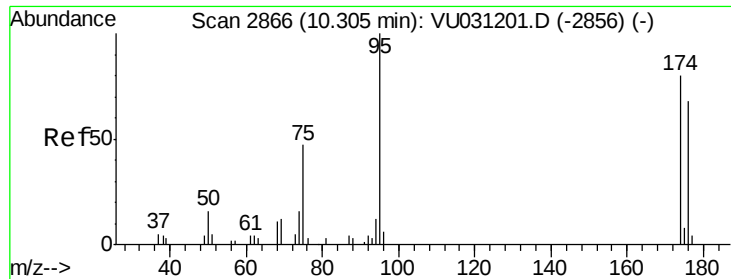
MMDadoda
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#56
1,2-Dibromoethane
Concen: 15.491 ug/l
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	91.5	0.0	189.0	





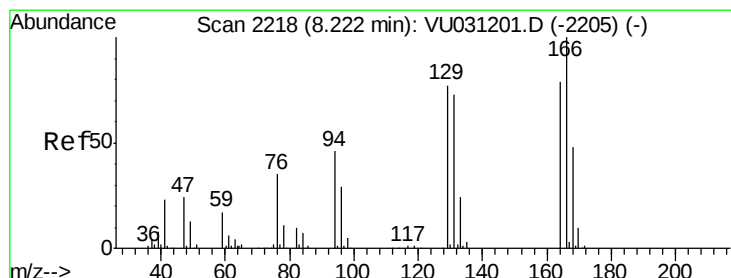
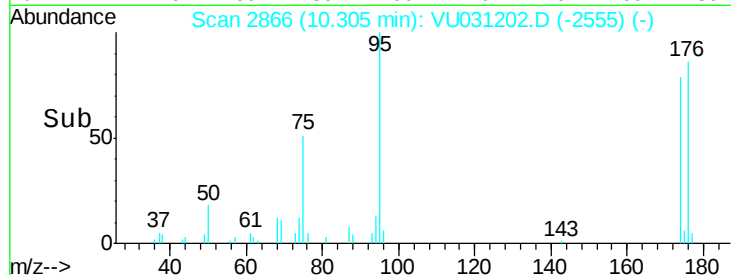
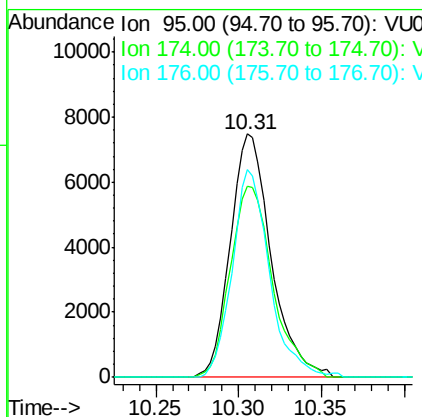
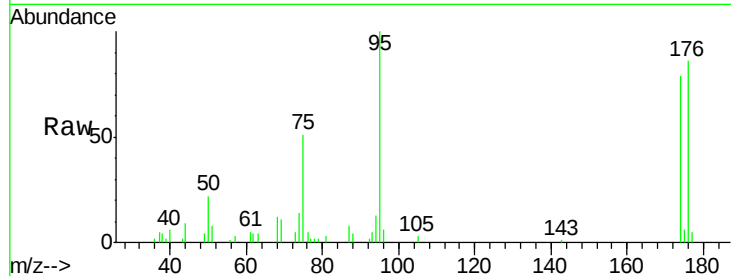
#57
4-Bromofluorobenzene
Concen: 15.491 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Resp	Lower	Upper
95	100	12809		
174	81.6	64.2	96.2	
176	78.0	58.0	87.0	

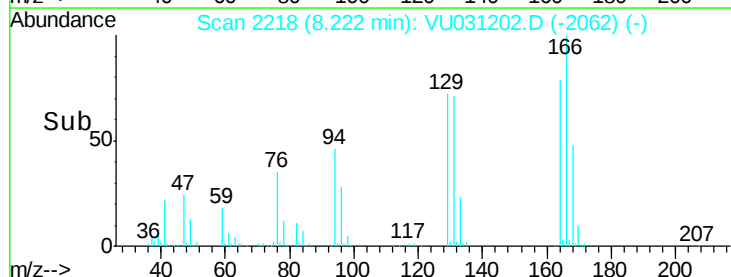
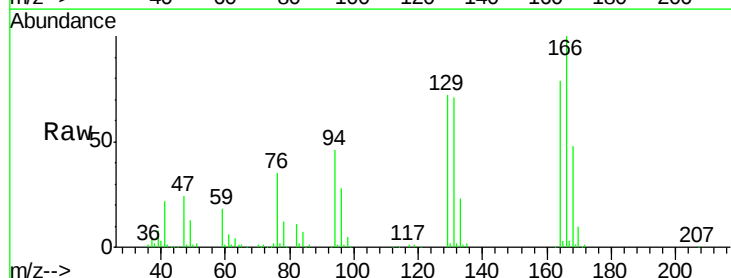
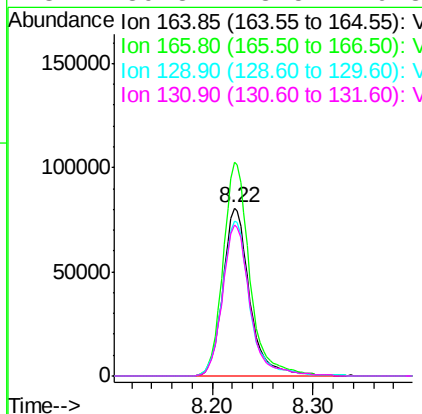
Manual Integrations
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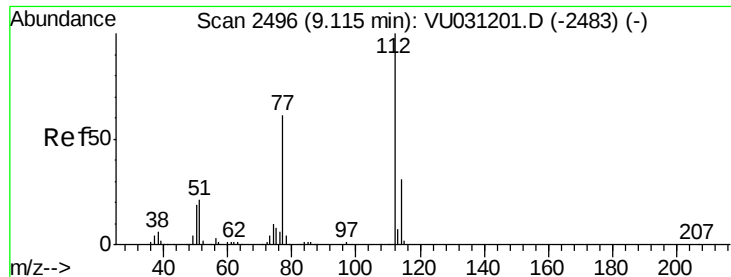
MMDadoda
4/16/2019 3:23:33 PM



#58
Tetrachloroethene
Concen: 16.368 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	149128		
166	127.3	100.9	151.3	
129	92.2	77.6	116.4	
131	89.8	73.5	110.3	





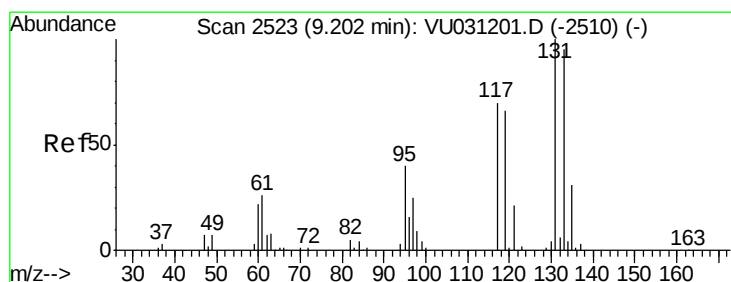
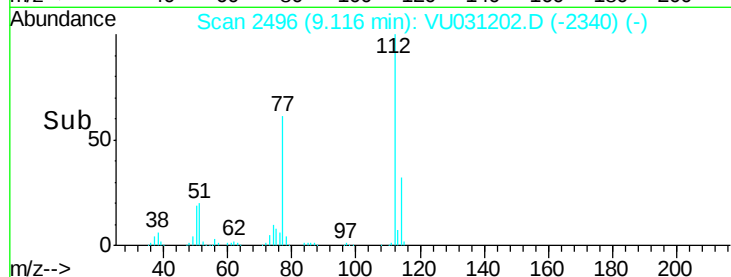
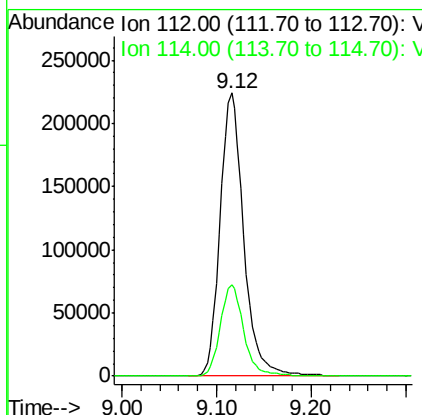
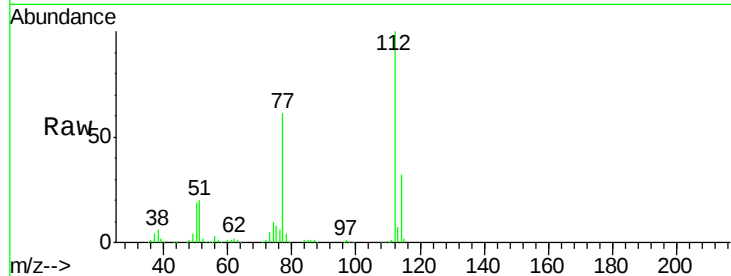
#59
Chlorobenzene
Concen: 15.496 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Resp	Lower	Upper
112	100	389473		
114	32.5	24.4	36.6	

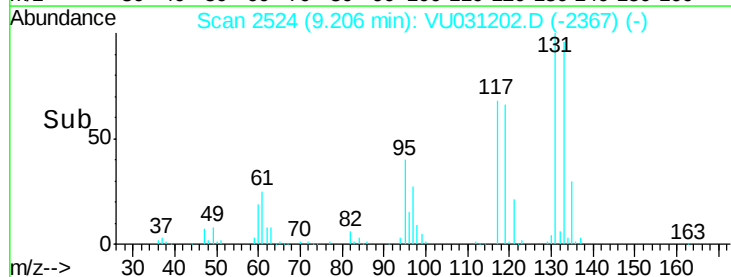
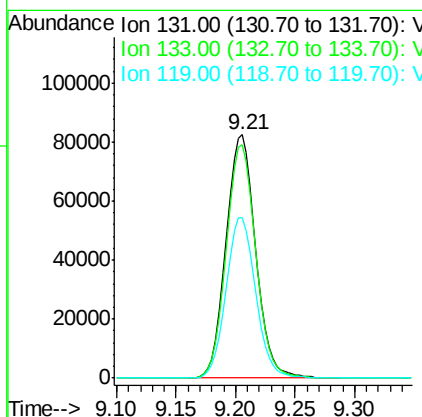
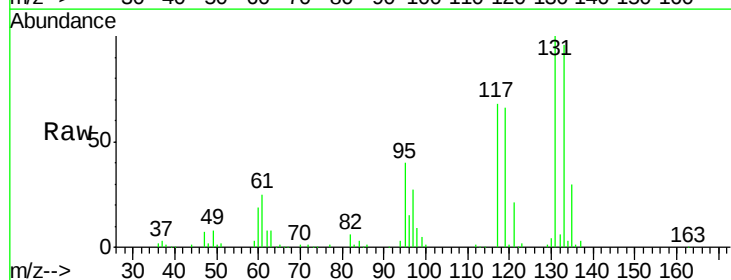
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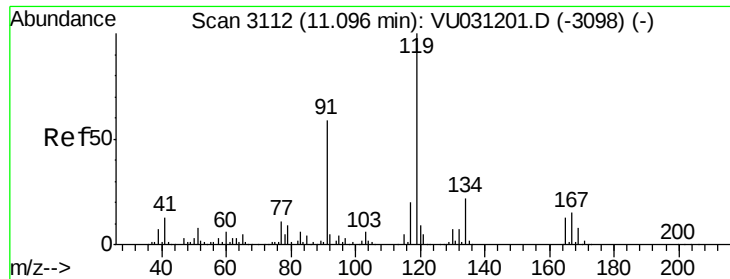
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 15.034 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	142581		
133	95.8	77.2	115.8	
119	65.9	51.4	77.2	





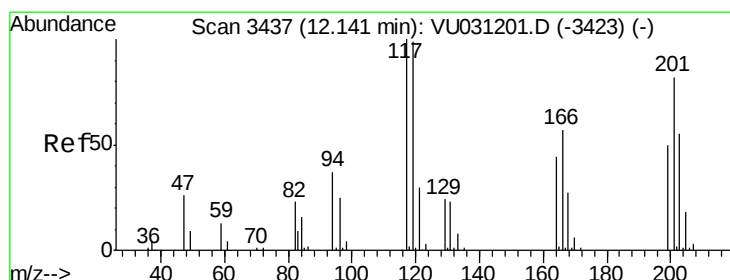
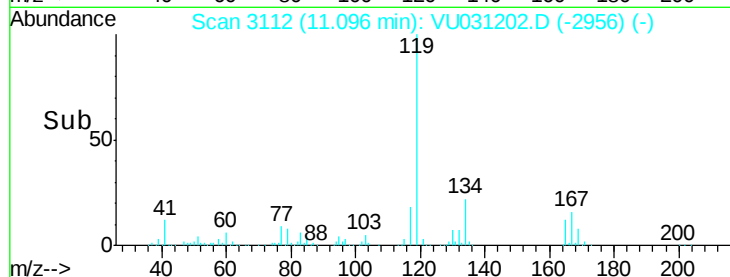
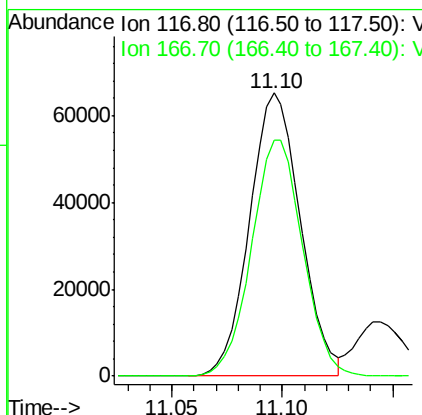
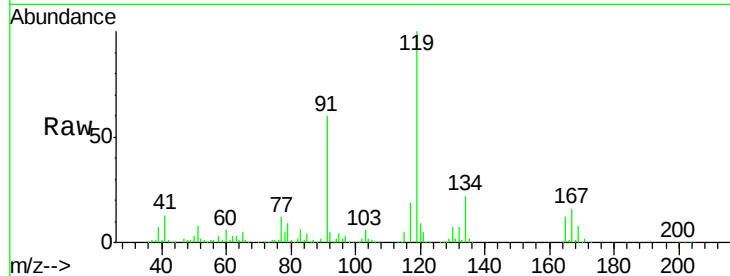
#61
 Pentachloroethane
 Concen: 14.268 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion:117 Resp: 103676
 Ion Ratio Lower Upper
 117 100
 167 84.6 63.1 94.7

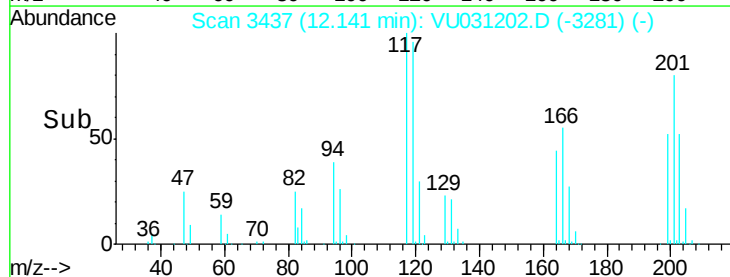
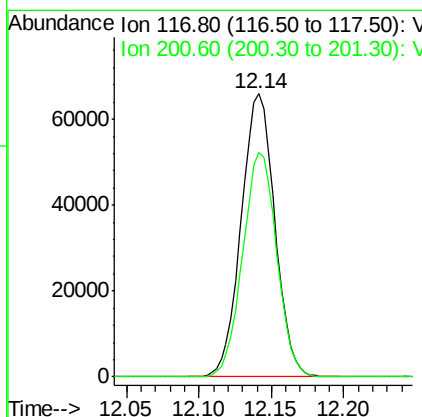
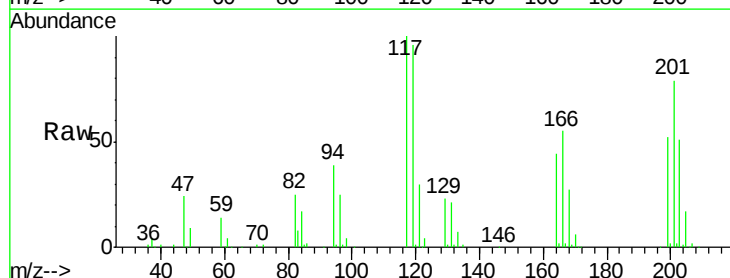
Manual Integrations
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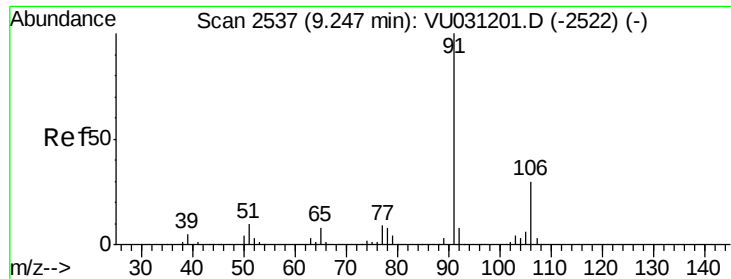
MMDadoda
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#62
 Hexachloroethane
 Concen: 15.429 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion:117 Resp: 106539
 Ion Ratio Lower Upper
 117 100
 201 80.0 63.9 95.9





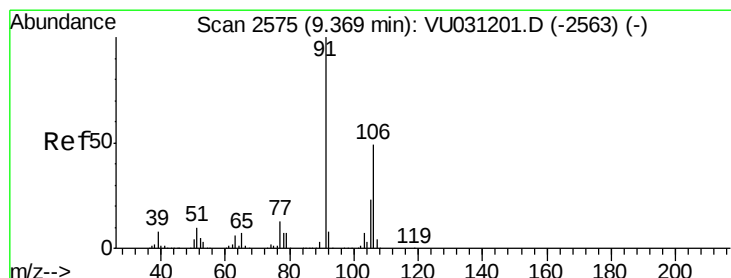
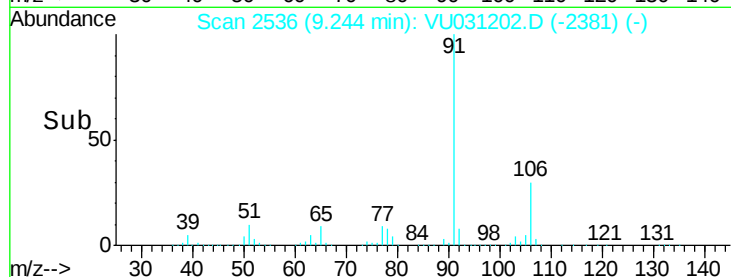
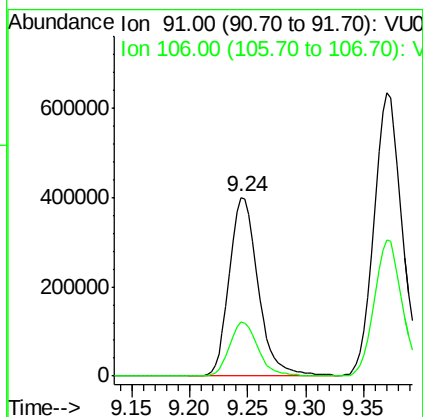
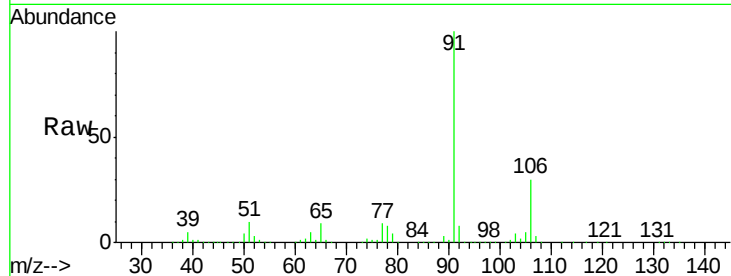
#63
Ethyl Benzene
Concen: 16.621 ug/l
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp: 691822
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5

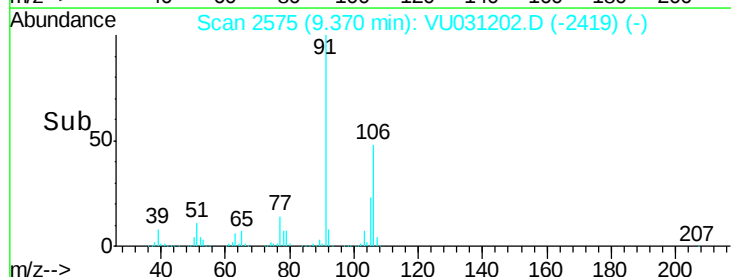
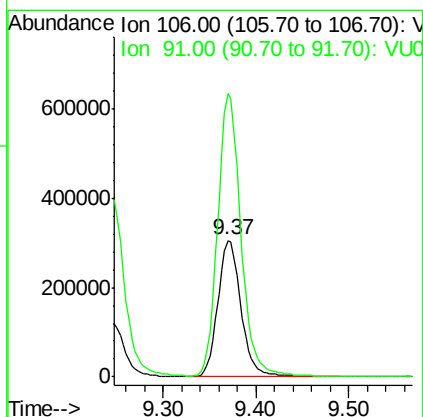
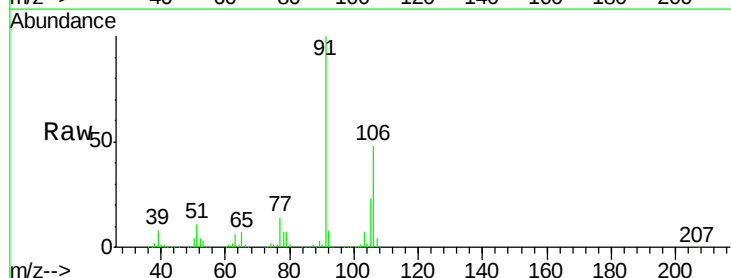
Manual Integrations
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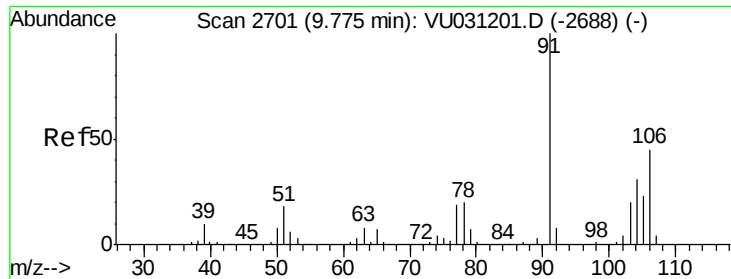
MMDadoda
4/16/2019 3:23:33 PM



#64
m/p-Xylenes
Concen: 34.725 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion: 106 Resp: 528417
Ion Ratio Lower Upper
106 100
91 207.2 165.7 248.5





#65

o-Xylene

Concen: 16.723 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:106 Resp: 247305

Ion Ratio Lower Upper

106 100

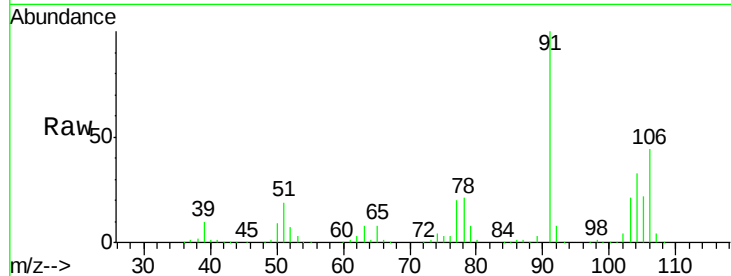
91 224.8 111.3 333.8

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

400000

300000

200000

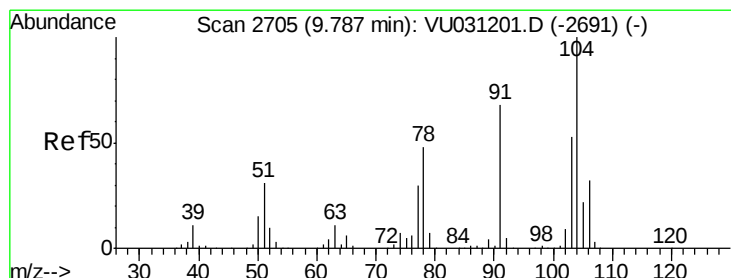
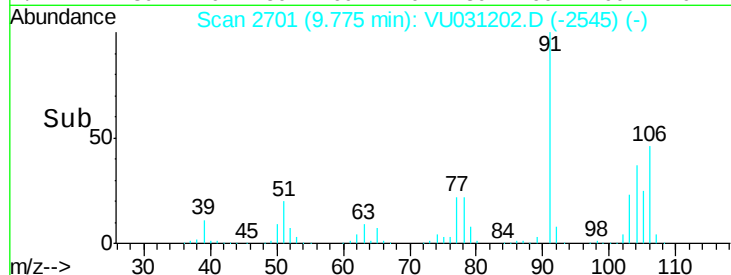
100000

0

9.77

9.75 9.80 9.85 9.90

Time-->



#66

Styrene

Concen: 17.359 ug/l

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

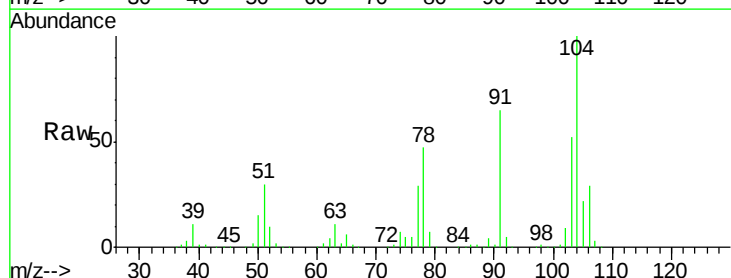
Tgt Ion:104 Resp: 443262

Ion Ratio Lower Upper

104 100

78 51.4 41.4 62.0

103 55.2 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

300000

200000

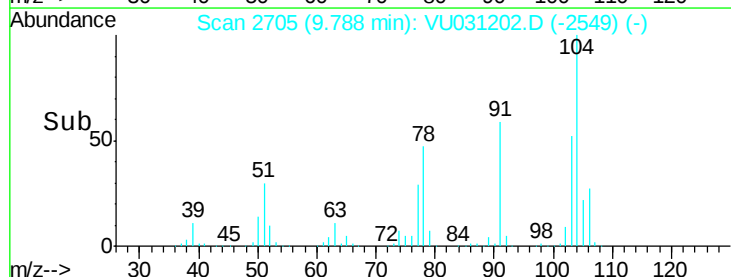
100000

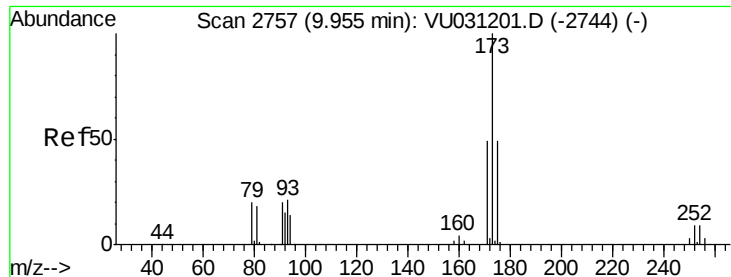
0

9.79

9.75 9.80 9.85 9.90

Time-->





#67

Bromoform

Concen: 16.082 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

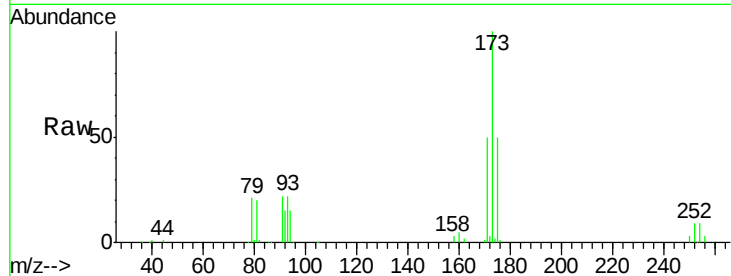
ClientSampleId :

VSTDIC015

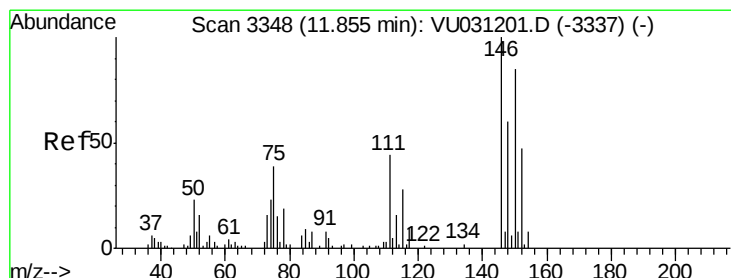
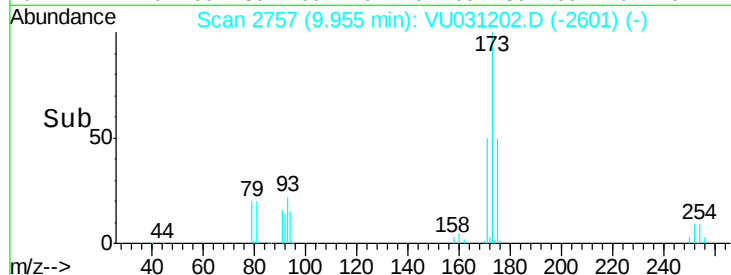
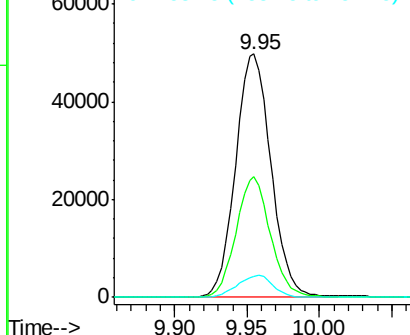
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	38.0	57.0
254	8.9	7.1	10.7

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: 16.082 ug/l

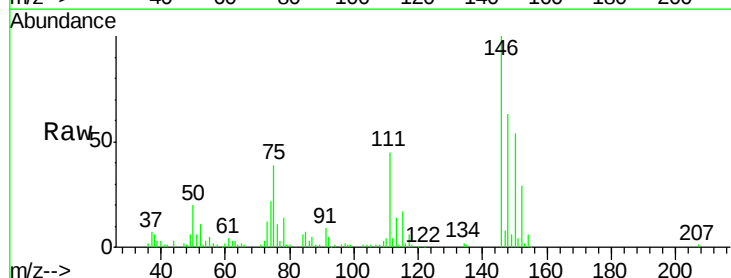
RT: 11.86 min Scan# 3348

Delta R.T. 0.00 min

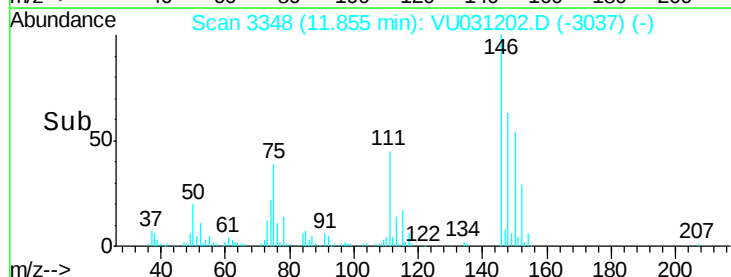
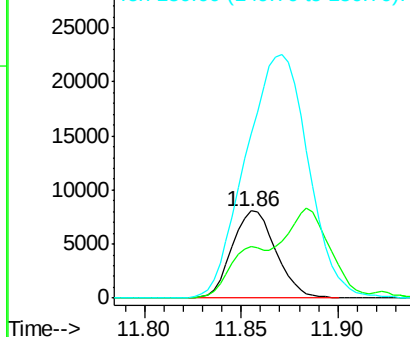
Lab File: VU031202.D

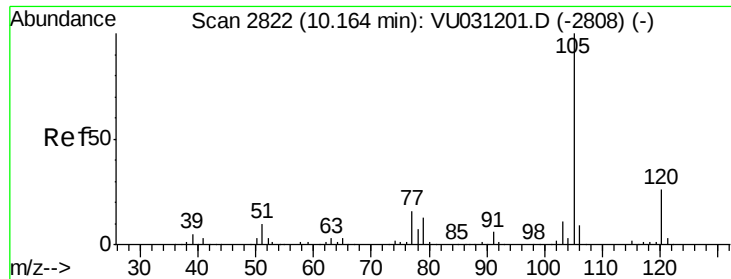
Acq: 15 Apr 2019 22:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.6	0.0	130.0
150	0.0	0.0	639.0



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: 17.001 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 670864

Ion Ratio Lower Upper

105 100

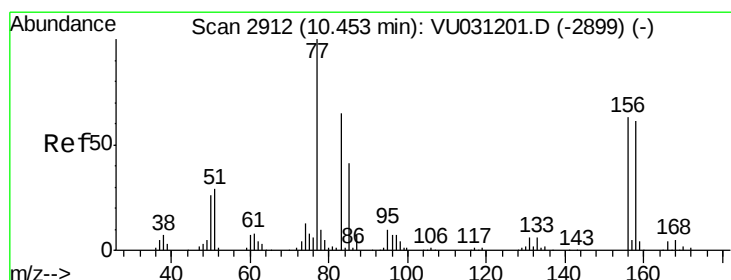
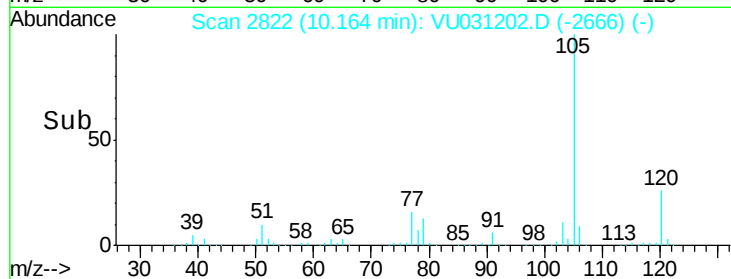
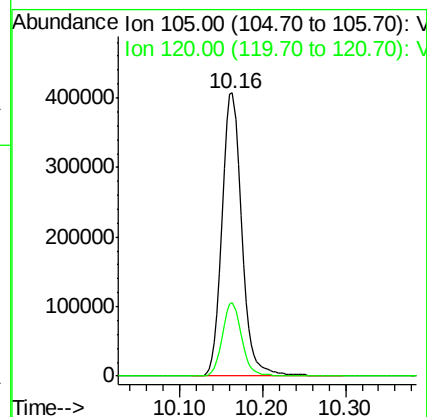
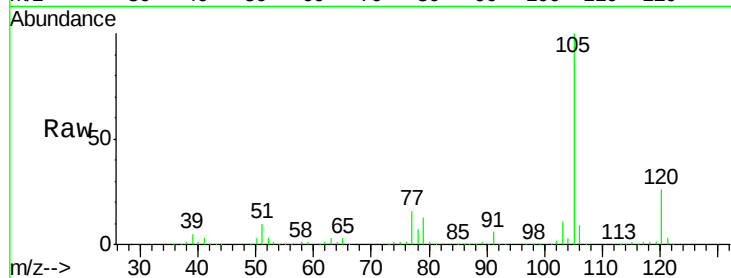
120 25.6 12.8 38.3

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 14.220 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

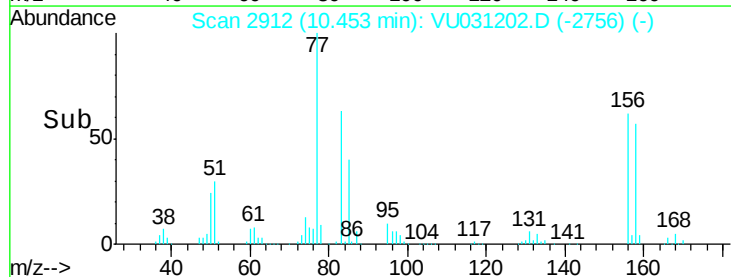
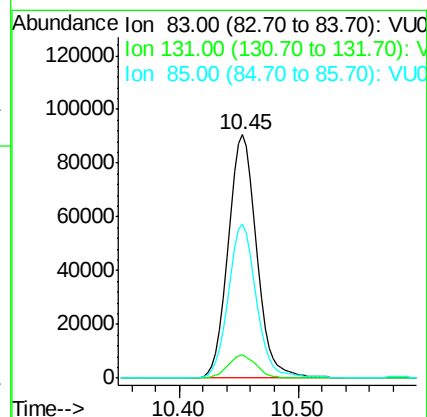
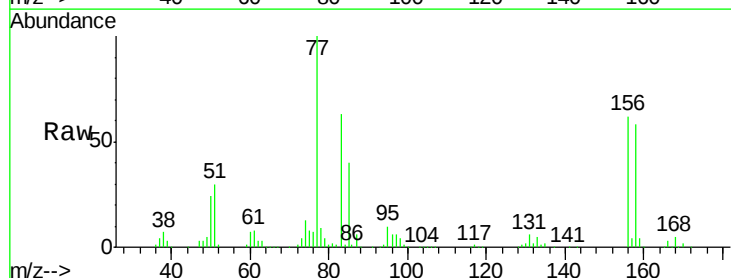
Tgt Ion: 83 Resp: 150336

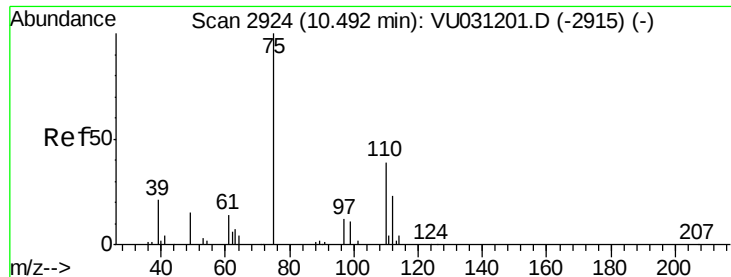
Ion Ratio Lower Upper

83 100

131 9.4 8.0 12.0

85 62.2 51.3 76.9





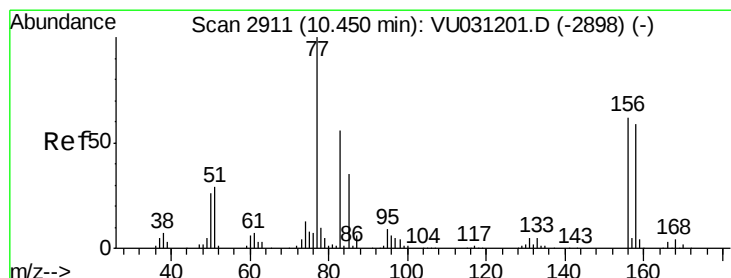
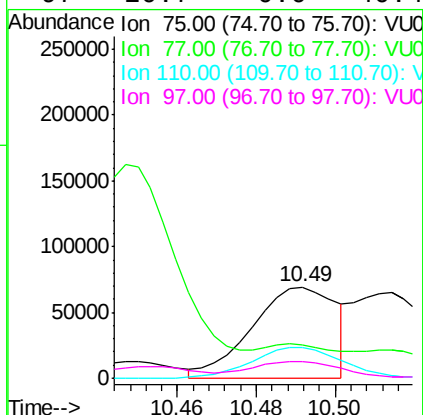
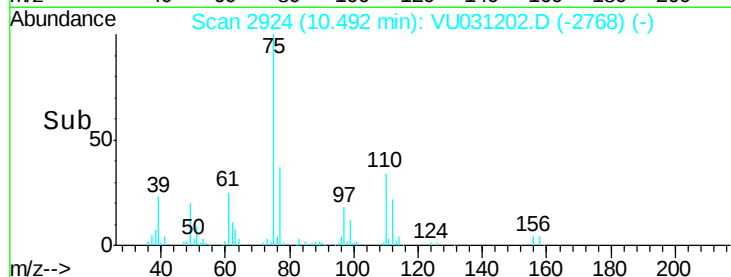
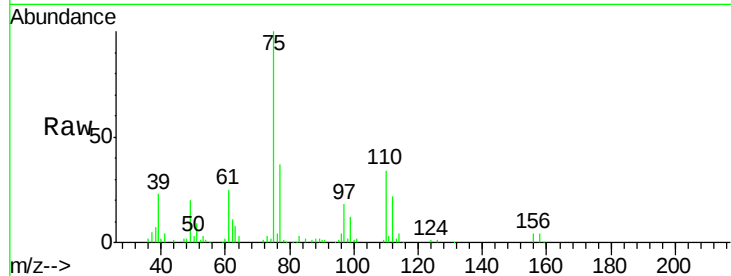
#71
1,2,3-Trichloropropane
Concen: 12.851 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	75	Resp	103300
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0
110	37.0	0.0	71.0
97	20.7	0.0	40.4

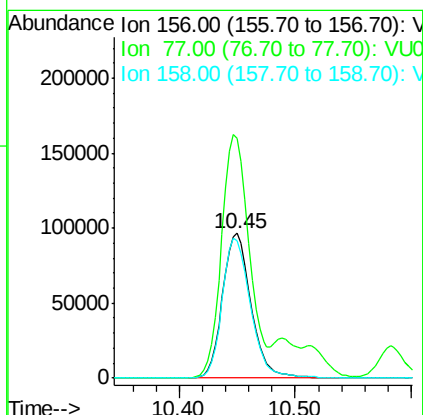
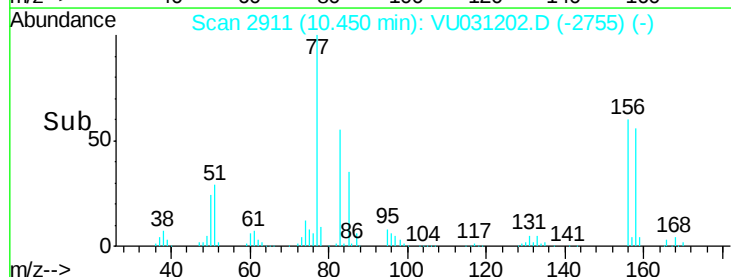
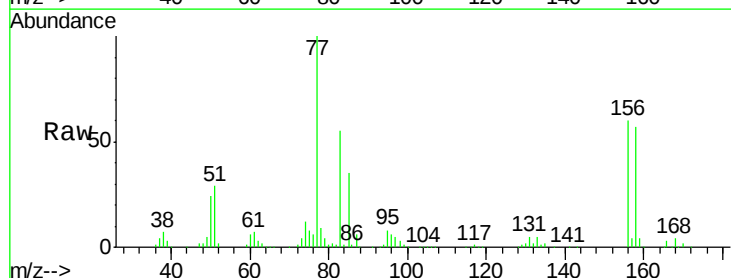
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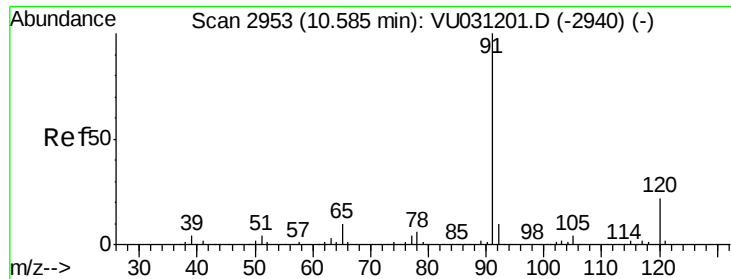
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#72
Bromobenzene
Concen: 16.481 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion	156	Resp	164407
Ion Ratio	Lower	Upper	
156	100		
77	162.8	0.0	322.6
158	96.2	0.0	191.0





#73

n-propylbenzene

Concen: 17.508 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. -0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:120 Resp: 184296

Ion Ratio Lower Upper

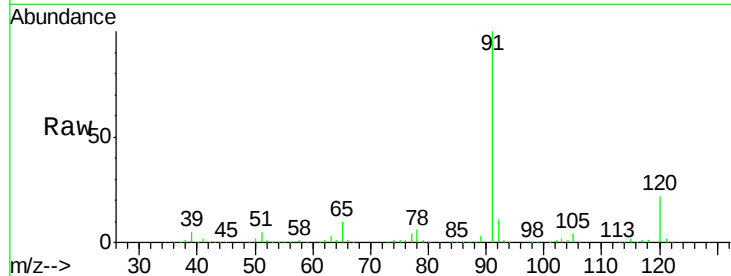
120 100

91 451.7 364.9 547.3

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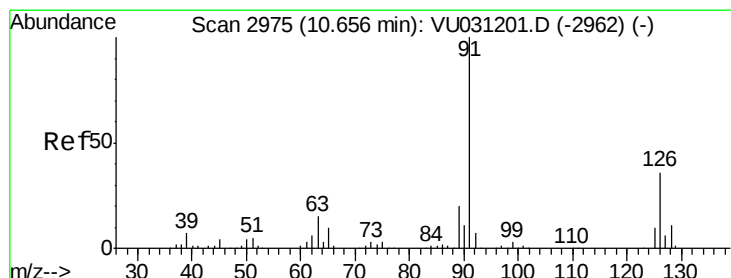
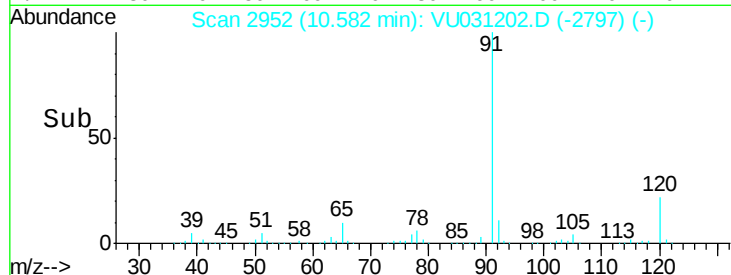
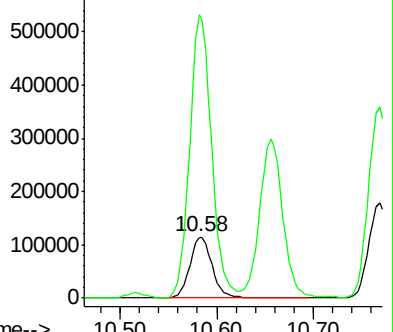
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 16.601 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU031202.D

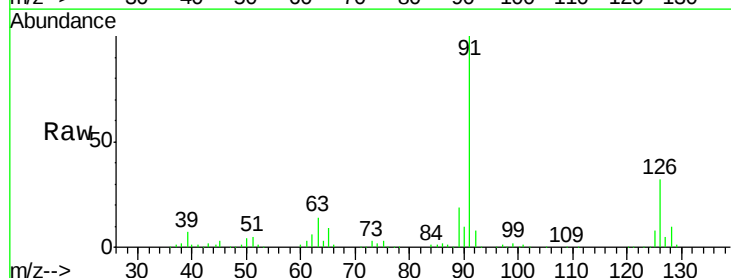
Acq: 15 Apr 2019 22:47

Tgt Ion:126 Resp: 159467

Ion Ratio Lower Upper

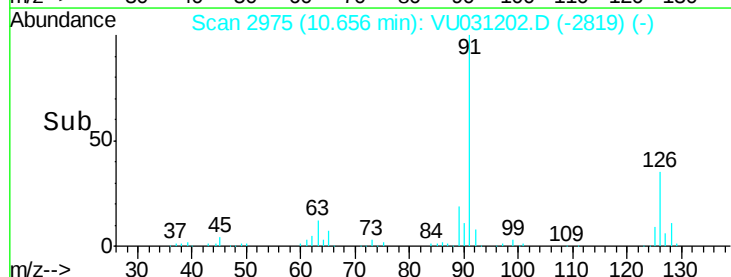
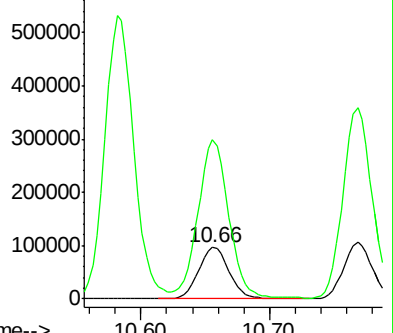
126 100

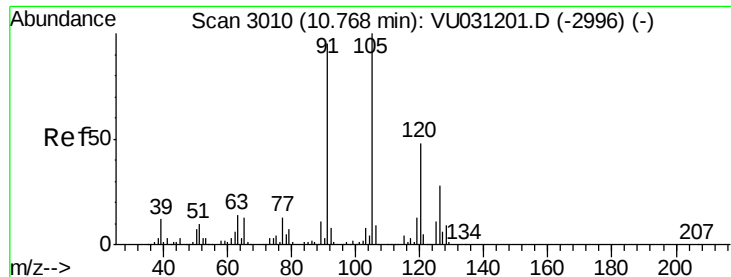
91 312.0 0.0 612.6



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: 17.356 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 580148

Ion Ratio Lower Upper

105 100

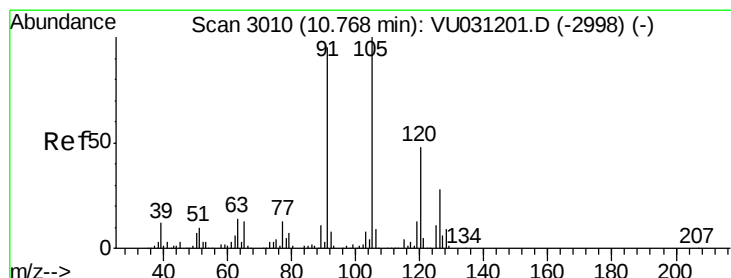
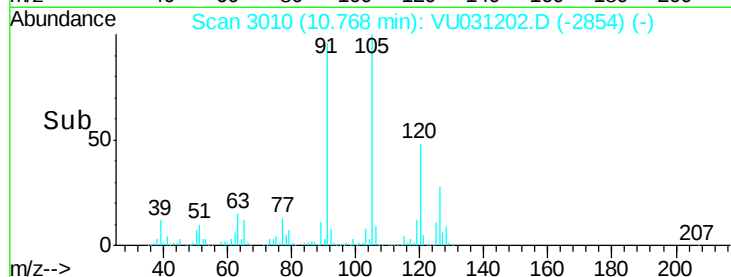
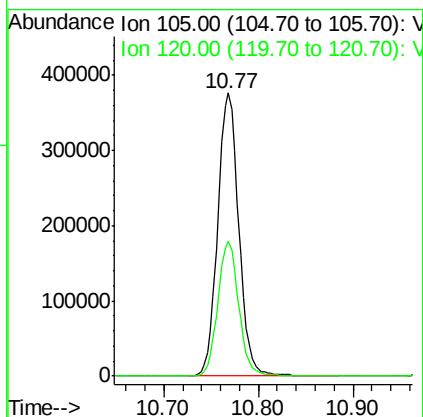
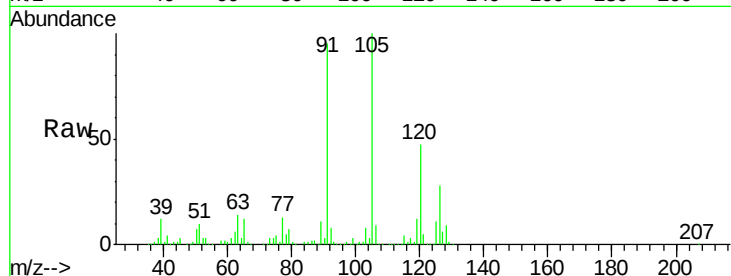
120 47.3 38.7 58.1

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#76

4-Chlorotoluene

Concen: 16.908 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031202.D

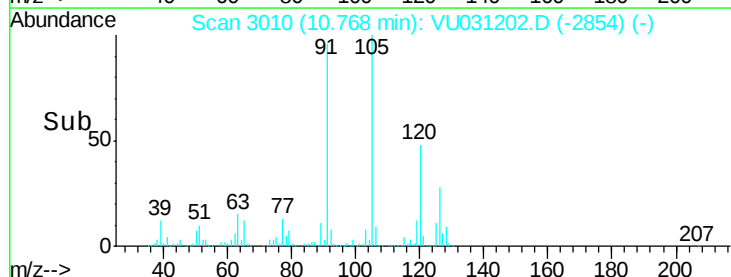
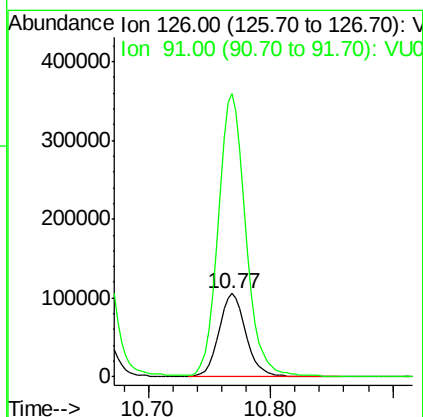
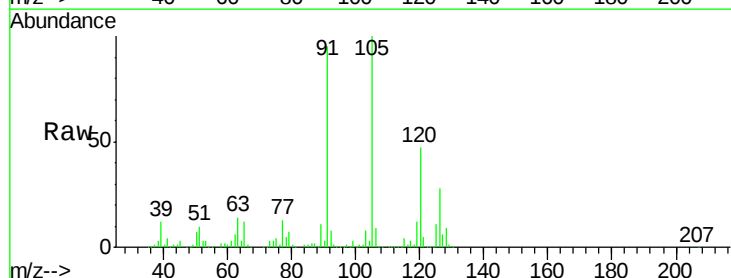
Acq: 15 Apr 2019 22:47

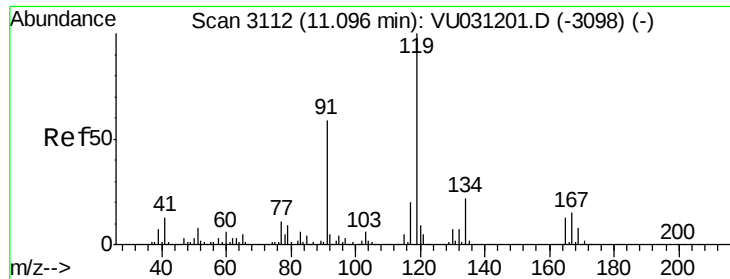
Tgt Ion:126 Resp: 165763

Ion Ratio Lower Upper

126 100

91 344.1 0.0 683.8





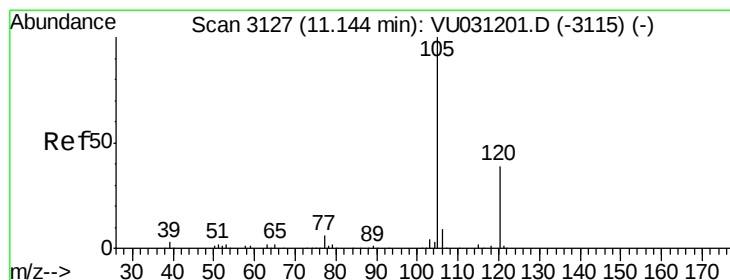
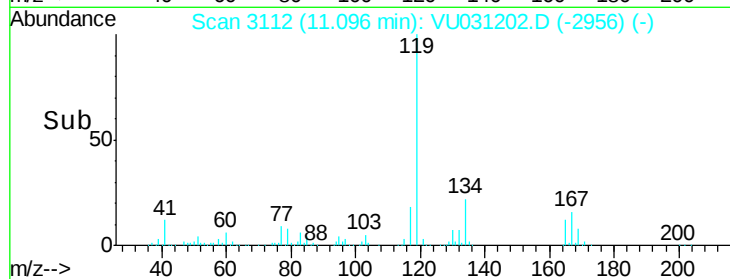
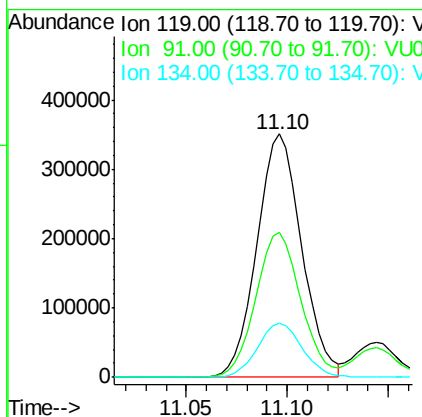
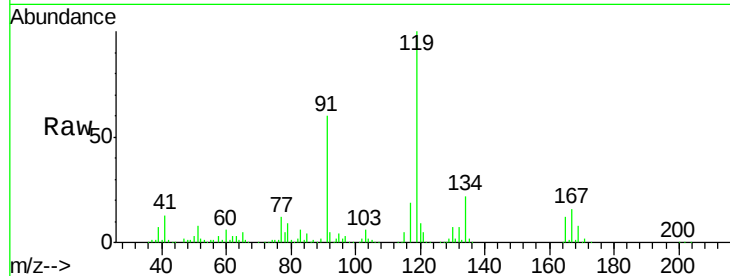
#77
 tert-Butylbenzene
 Concen: 16.690 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Resp	Lower	Upper
119	100	543628		
91	60.0		29.4	88.3
134	22.6		17.9	26.9

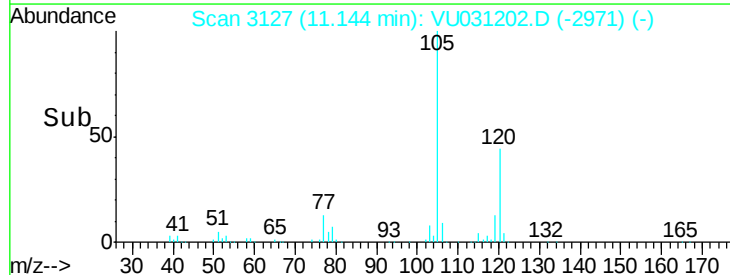
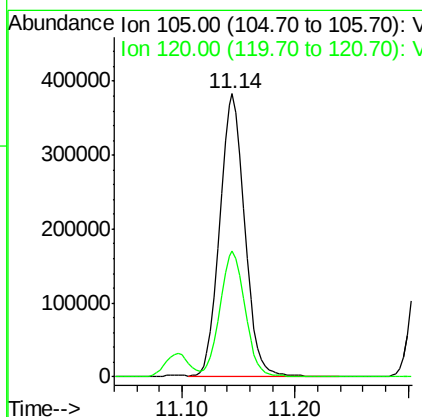
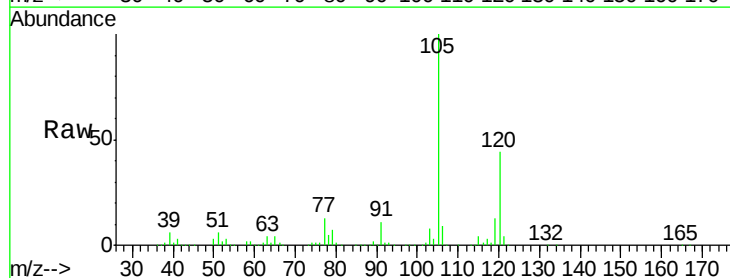
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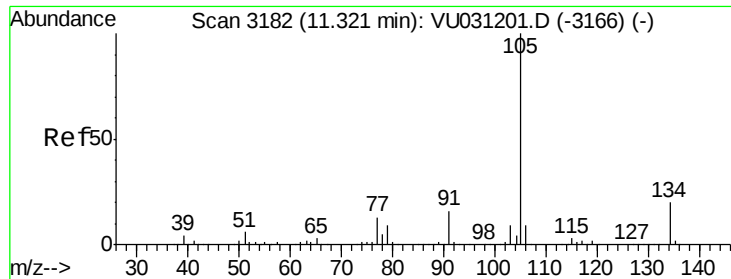
MMDadoda
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#78
 1,2,4-Trimethylbenzene
 Concen: 17.300 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	589097		
120	44.8		22.4	67.0





#79

sec-Butylbenzene

Concen: 16.802 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 743698

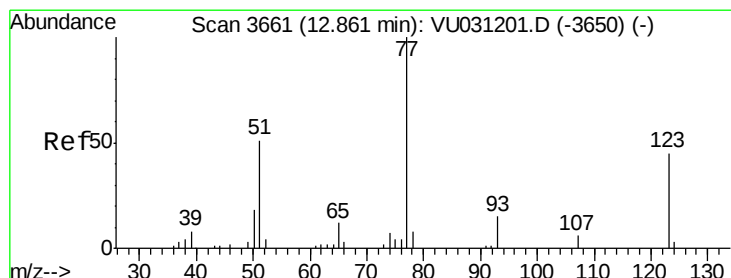
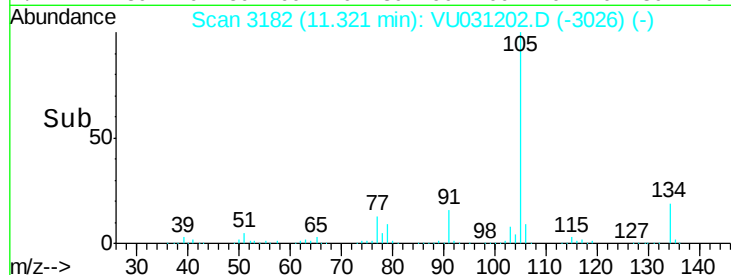
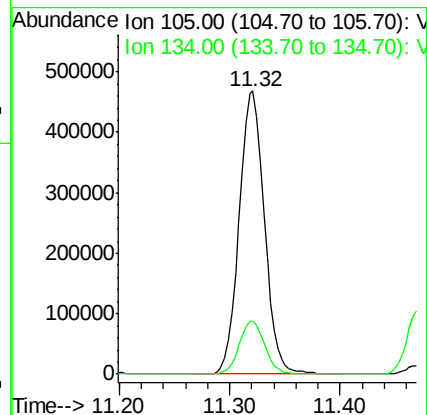
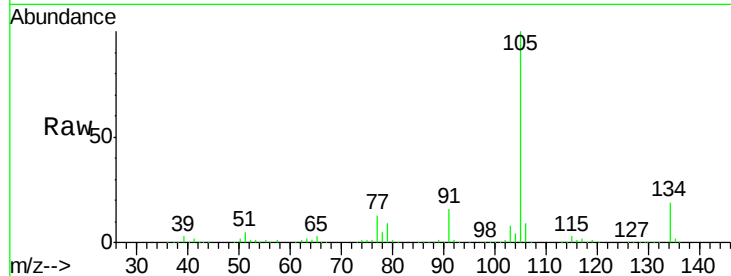
Ion Ratio Lower Upper

105 100

134 19.1 15.5 23.3

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#80

Nitrobenzene

Concen: 96.296 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

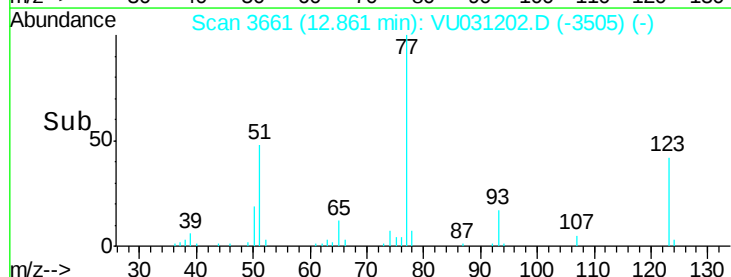
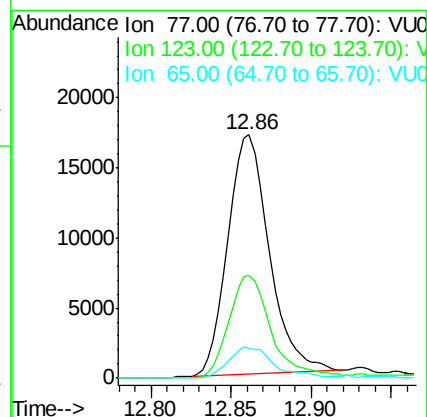
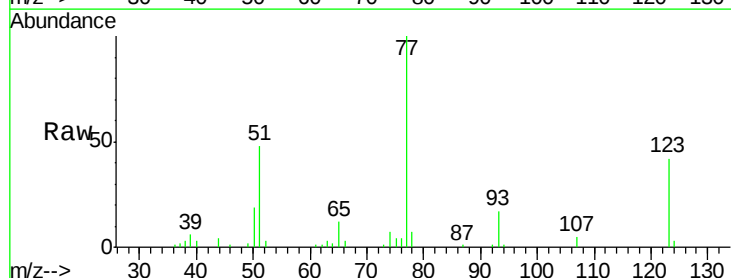
Tgt Ion: 77 Resp: 30299

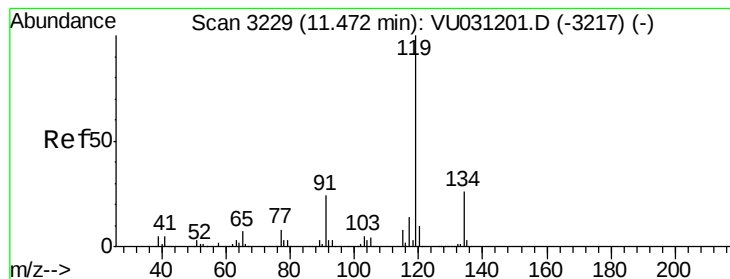
Ion Ratio Lower Upper

77 100

123 41.6 17.1 60.7

65 13.4 9.4 12.0#





#81

p-Isopropyltoluene

Concen: 17.607 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

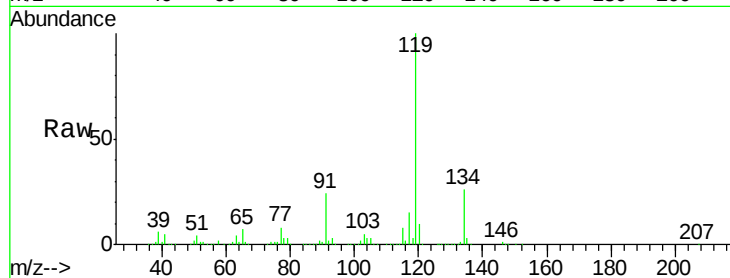
ClientSampled :

VSTDIC015

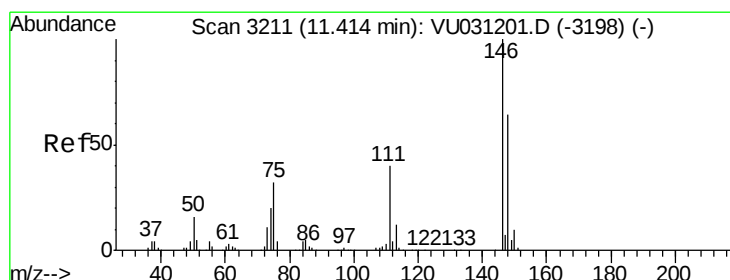
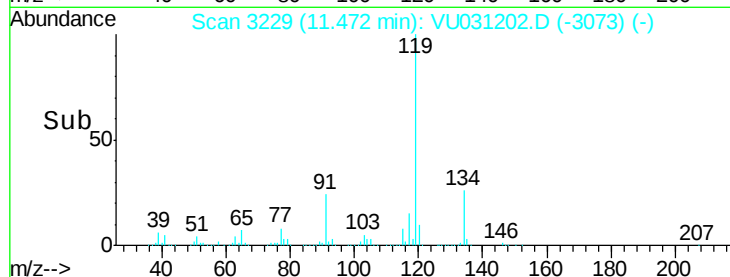
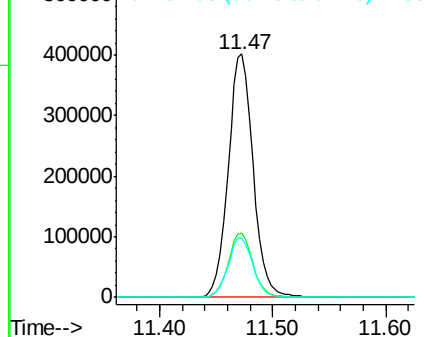
Tot Ion:	119	Resp:	611081
Ion Ratio	Lower	Upper	
119	100		
134	26.3	21.0	31.4
91	24.7	19.4	29.2

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



#82

1,3-Dichlorobenzene

Concen: 16.121 ug/l

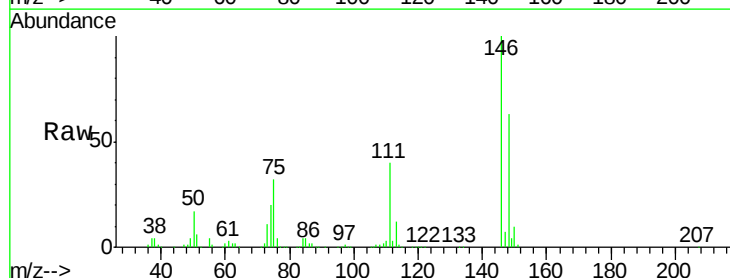
RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

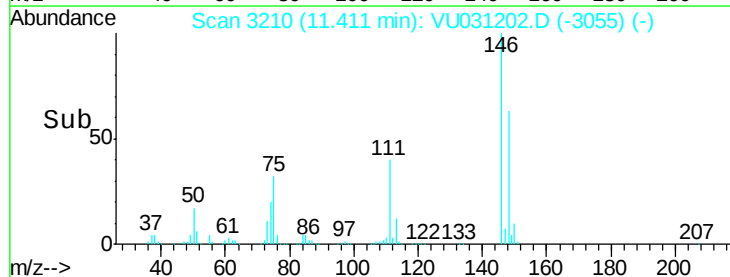
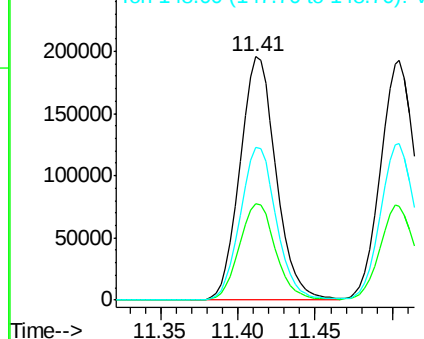
Lab File: VU031202.D

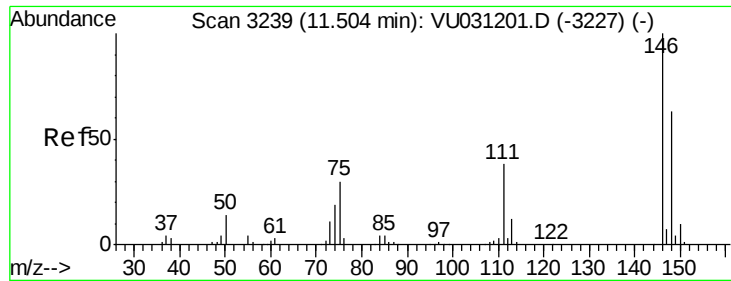
Acq: 15 Apr 2019 22:47

Tgt Ion:	146	Resp:	318484
Ion Ratio	Lower	Upper	
146	100		
111	39.9	32.4	48.6
148	62.9	50.8	76.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





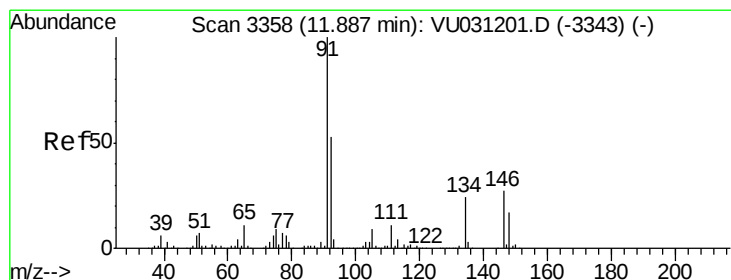
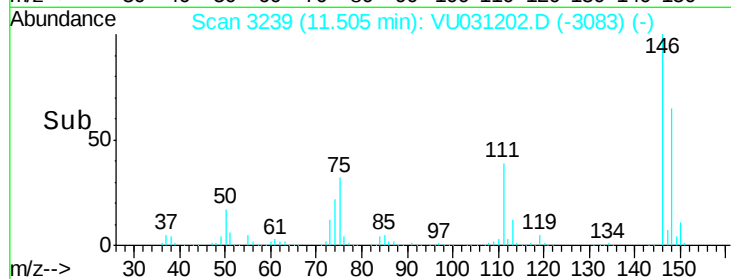
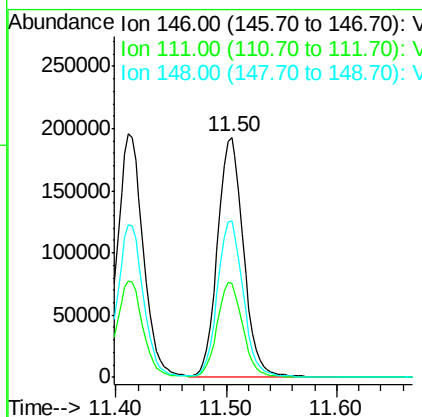
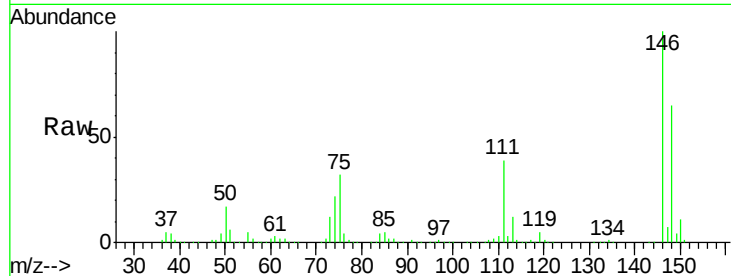
#83
 1,4-Dichlorobenzene
 Concen: 16.123 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	30.6	46.0
148	64.3	51.1	76.7

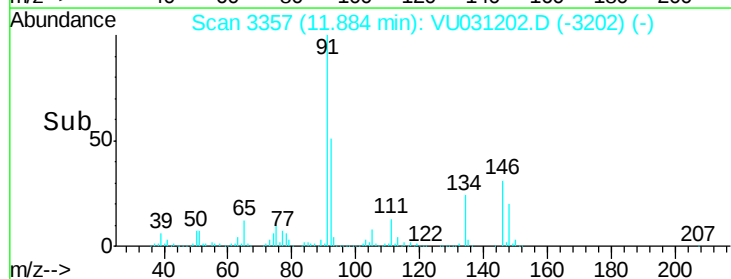
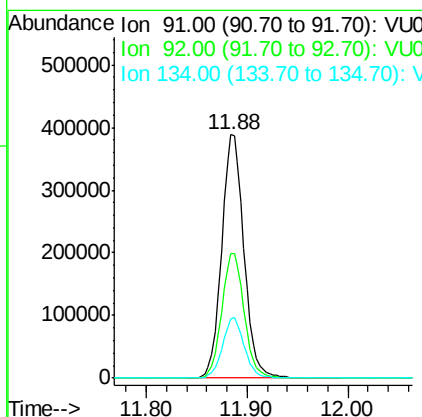
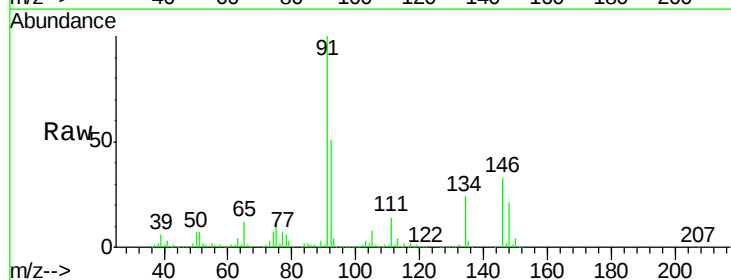
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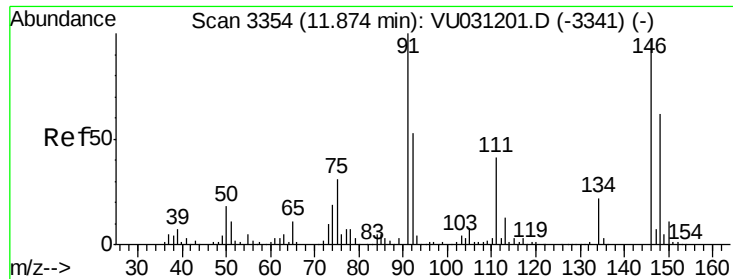
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#84
 n-Butylbenzene
 Concen: 17.173 ug/l
 RT: 11.88 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.8	42.6	63.8
134	24.4	19.1	28.7





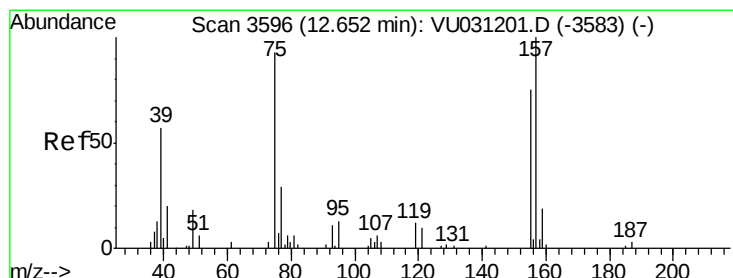
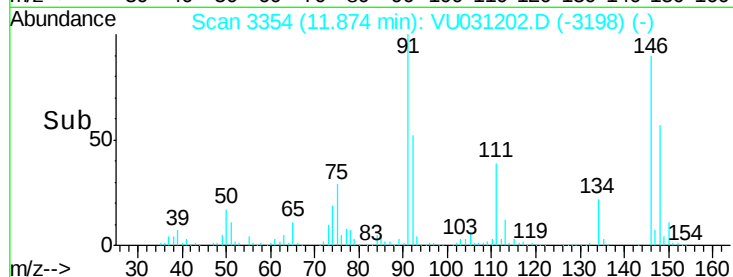
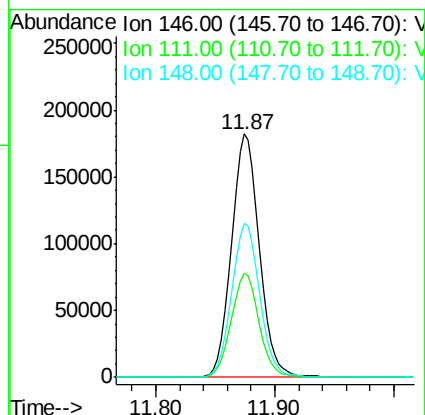
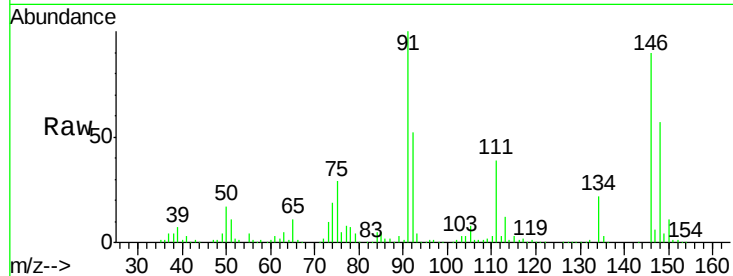
#85
 1,2-Dichlorobenzene
 Concen: 15.707 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.8	62.5
148	64.0	31.4	94.3

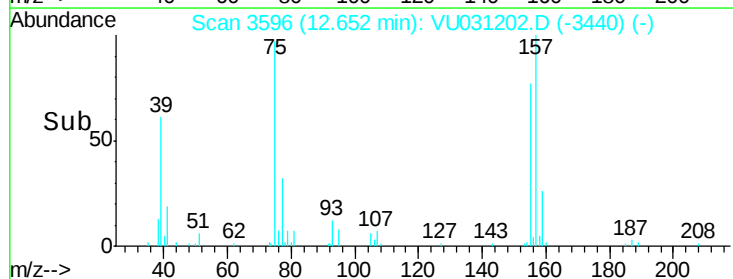
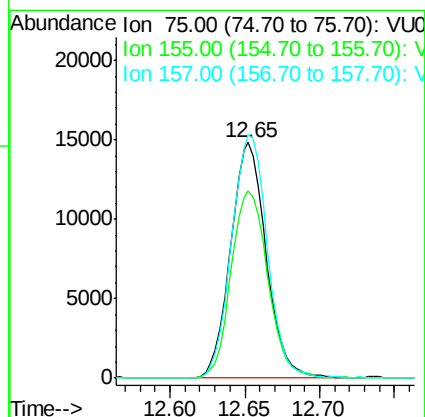
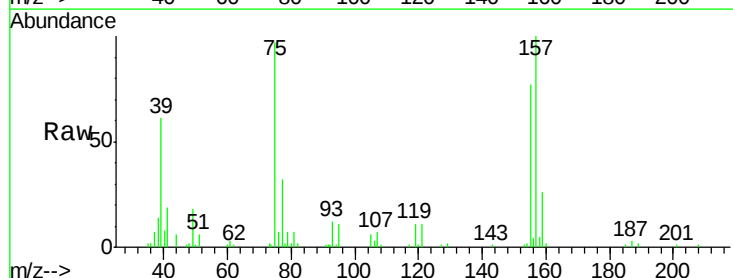
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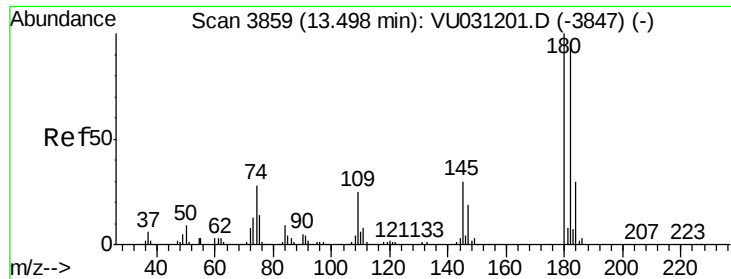
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 14.883 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	61.7	92.5
157	103.6	81.3	121.9





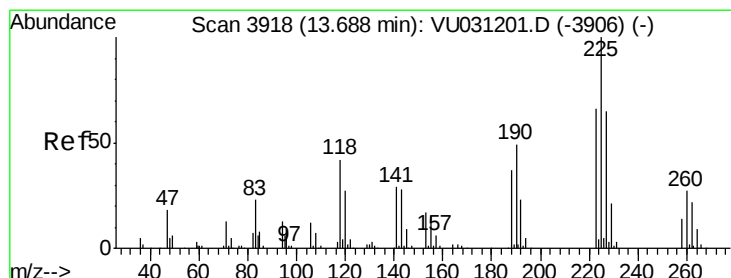
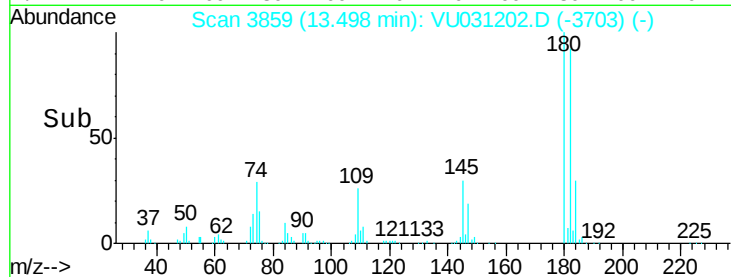
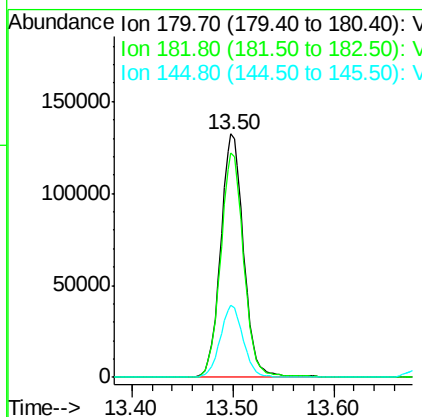
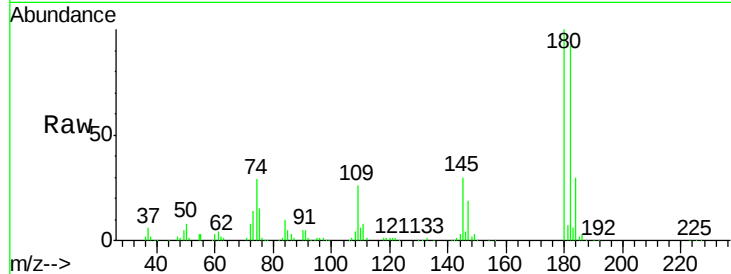
#87
 1,2,4-Trichlorobenzene
 Concen: 18.828 ug/l
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	75.0	112.6
145	29.4	23.4	35.2

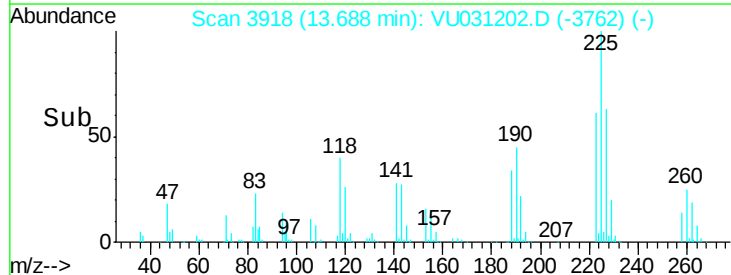
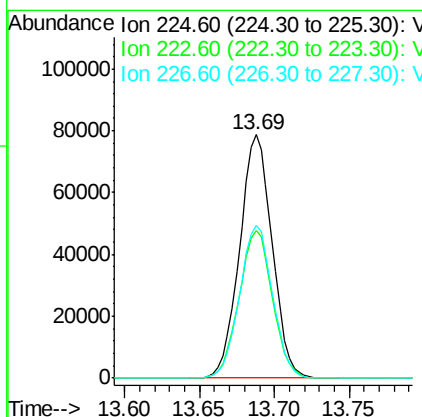
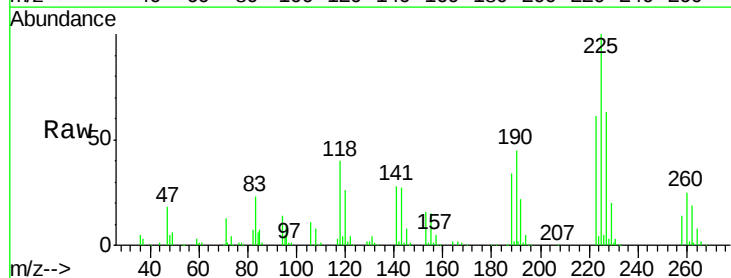
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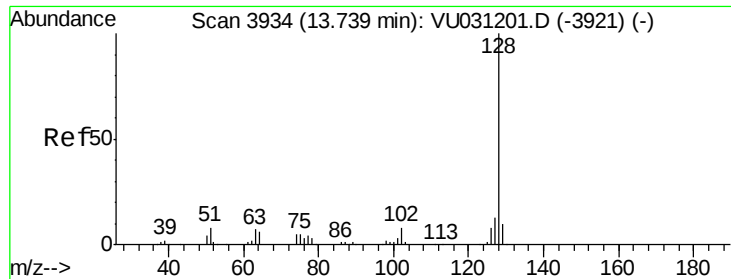
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#88
 Hexachlorobutadiene
 Concen: 17.680 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	51.4	77.2
227	63.5	51.2	76.8





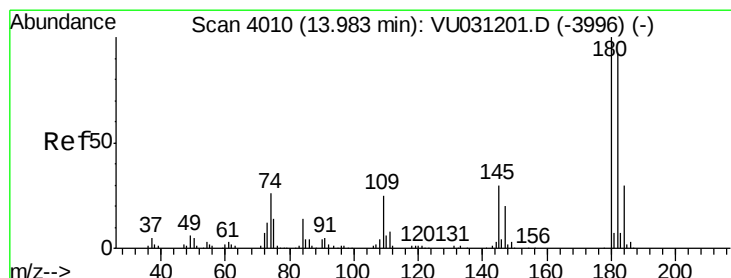
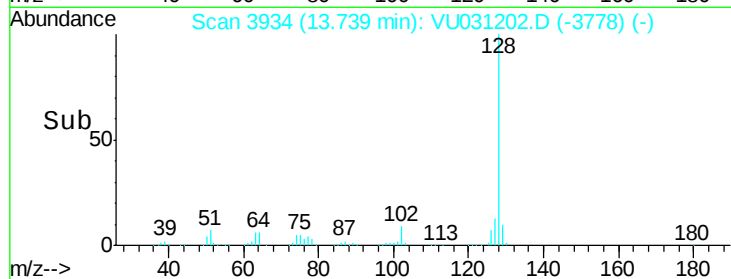
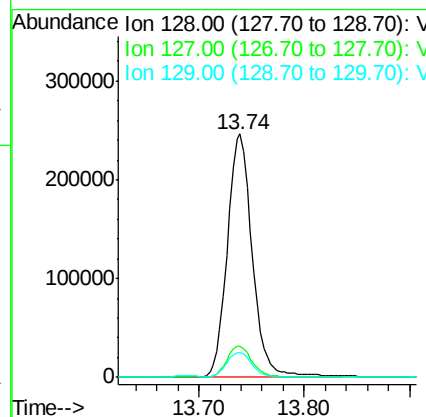
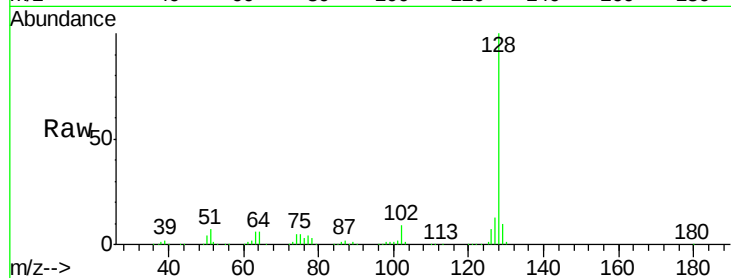
#89
Naphthalene
Concen: 20.491 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.4
129	10.3	8.3	12.5

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#90
1,2,3-Trichlorobenzene
Concen: 18.234 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.4	114.6
145	31.1	25.3	37.9

