

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041519\
 Data File : VU031203.D
 Acq On : 15 Apr 2019 23:40
 Operator : JC/SP
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 3:23:38 PM

Quant Time: Apr 16 05:08:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:55:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	36294	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	13606	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	12900	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	96158	6.126	ug/l	100
3) Chloromethane	1.33	50	130744	7.894	ug/l	99
4) Vinyl Chloride	1.40	62	136628	8.444	ug/l	99
5) Bromomethane	1.63	94	85904	9.062	ug/l	99
6) Chloroethane	1.70	64	99141	8.873	ug/l	98
7) Trichlorofluoromethane	1.89	101	209014	8.858	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	119914	10.209	ug/l	99
9) 1,1-Dichloroethene	2.29	96	125324	10.681	ug/l	97
10) Iodomethane	2.41	142	170952	10.788	ug/l	100
11) Allyl Chloride	2.59	41	244131	10.600	ug/l	96
12) Acrylonitrile	2.94	53	190774	55.575	ug/l	96
13) Acetone	2.33	43	141165	50.173	ug/l	99
14) Carbon Disulfide	2.48	76	421304	9.721	ug/l	99
15) Methylene Chloride	2.70	84	138718	9.170	ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	136707	10.556	ug/l	97
17) 1,1-Dichloroethane	3.44	63	199590	9.731	ug/l	98
18) 2-Butanone	4.28	43	174539	54.711	ug/l	100
19) Cyclohexane	4.99	56	163748	11.347	ug/l	99
20) Methylcyclohexane	6.41	83	168245	11.497	ug/l	99
21) 2,2-Dichloropropane	4.22	77	160443	10.092	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	121398	10.751	ug/l	99
23) Diethyl Ether	2.10	59	106820	9.760	ug/l	98
24) tert-Butyl Alcohol	2.87	59	58761	50.409	ug/l #	88
25) Methyl tert-Butyl Ether	3.00	73	357085	10.437	ug/l	100
26) Bromochloromethane	4.54	128	54283	10.546	ug/l	99
27) Chloroform	4.67	83	209602	10.328	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	182131	10.558	ug/l	99
29) 1,1-Dichloropropene	5.13	75	159709	11.041	ug/l	99
30) Carbon Tetrachloride	5.13	117	160393	10.524	ug/l	99
31) Isopropyl Ether	3.57	45	335829	11.166	ug/l #	1
34) Propionitrile	4.34	54	106037	120.291	ug/l #	94
35) Benzene	5.38	78	466971	10.846	ug/l	99
36) 1,2-Dichloroethane	5.40	62	143869	10.501	ug/l	99
37) Trichloroethene	6.18	130	119802	9.923	ug/l	99
38) 1,2-Dichloropropane	6.43	63	123514	10.773	ug/l	99
39) Methacrylonitrile	4.55	41	44798	11.283	ug/l	97
40) Methyl acrylate	4.42	55	74193	11.887	ug/l #	98
41) Tetrahydrofuran	4.65	42	120908	59.632	ug/l	98
42) 1-Chlorobutane	5.06	56	230524	11.188	ug/l	100
43) Dibromomethane	6.56	93	64680	10.486	ug/l	99
44) Bromodichloromethane	6.75	83	160441	10.794	ug/l	99

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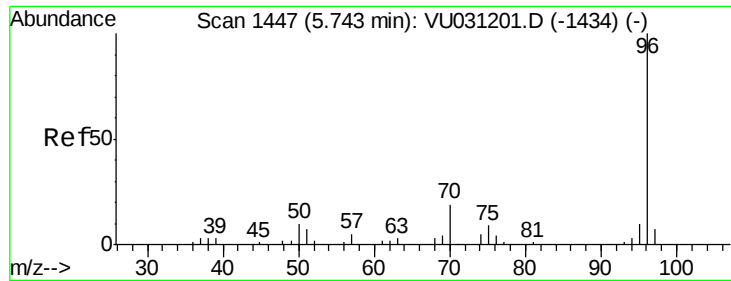
Manual Integrations
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Quant Time: Apr 16 05:08:52 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.46	43	425061	58.417	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	28175m	10.158	ug/l	
47) Methyl methacrylate	6.62	69	60808	11.681	ug/l	99
48) Ethyl methacrylate	8.02	69	118689	10.474	ug/l	96
49) Toluene	7.63	92	278898	11.803	ug/l	100
50) t-1,3-Dichloropropene	7.87	75	150505	11.874	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	173579	11.583	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	91617	11.007	ug/l	99
53) 1,3-Dichloropropane	8.24	76	153471	10.862	ug/l	96
54) 2-Hexanone	8.36	43	296103	60.297	ug/l	98
55) Dibromochloromethane	8.47	129	105859	10.730	ug/l	99
56) 1,2-Dibromoethane	8.58	107	84199	10.885	ug/l	99
58) Tetrachloroethene	8.22	164	111310	10.844	ug/l	98
59) Chlorobenzene	9.12	112	288567	10.996	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.20	131	105611	10.737	ug/l	98
61) Pentachloroethane	11.10	117	81044	10.589	ug/l	94
62) Hexachloroethane	12.14	117	77766	10.512	ug/l	98
63) Ethyl Benzene	9.24	91	517931	12.370	ug/l	100
64) m/p-Xylenes	9.37	106	392010	24.589	ug/l	97
65) o-Xylene	9.77	106	184866	12.115	ug/l	97
66) Styrene	9.79	104	333706	10.831	ug/l	98
67) Bromoform	9.95	173	62458	10.972	ug/l	98
69) Isopropylbenzene	10.16	105	512959	12.541	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	111471	10.326	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	89941m	11.523	ug/l	
72) Bromobenzene	10.45	156	125021	11.551	ug/l	98
73) n-propylbenzene	10.59	120	135506	12.405	ug/l	97
74) 2-Chlorotoluene	10.66	126	119610	11.874	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	442576	12.783	ug/l	99
76) 4-Chlorotoluene	10.77	126	125750	12.391	ug/l	99
77) tert-Butylbenzene	11.10	119	399185	11.784	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	442405	12.676	ug/l	99
79) sec-Butylbenzene	11.32	105	513724	11.272	ug/l	100
80) Nitrobenzene	12.87	77	3438	12.195	ug/l #	75
81) p-Isopropyltoluene	11.47	119	459324	12.548	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	232056	10.855	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	237479	11.470	ug/l	99
84) n-Butylbenzene	11.89	91	444654	12.570	ug/l	99
85) 1,2-Dichlorobenzene	11.87	146	219134	10.932	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	18264	11.755	ug/l	92
87) 1,2,4-Trichlorobenzene	13.50	180	159536	13.021	ug/l	99
88) Hexachlorobutadiene	13.69	225	88792	10.849	ug/l	99
89) Naphthalene	13.74	128	307141	11.185	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	151934	12.386	ug/l	100

(#) = 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

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MSVOA_U

ClientSampleId :

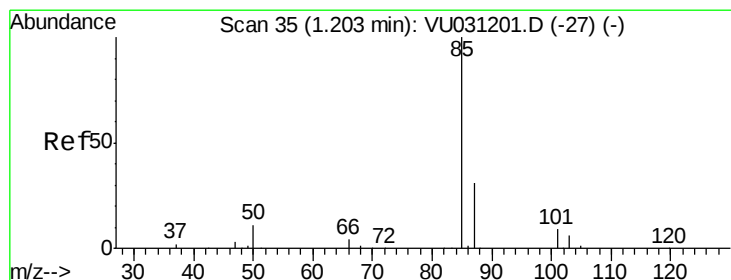
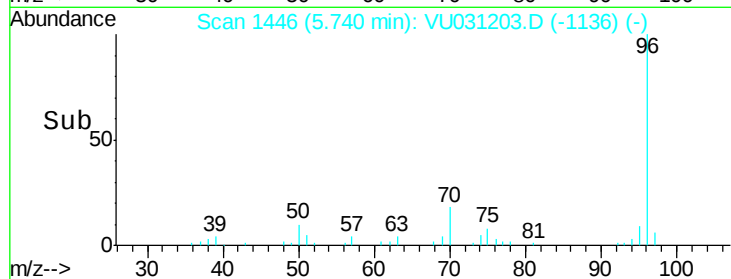
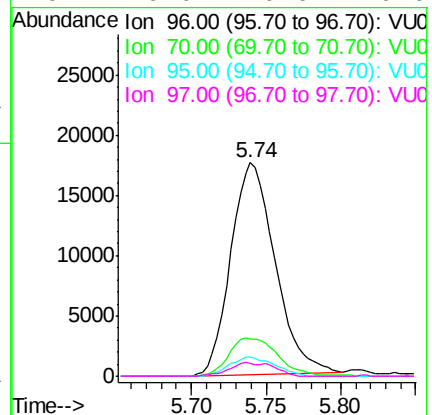
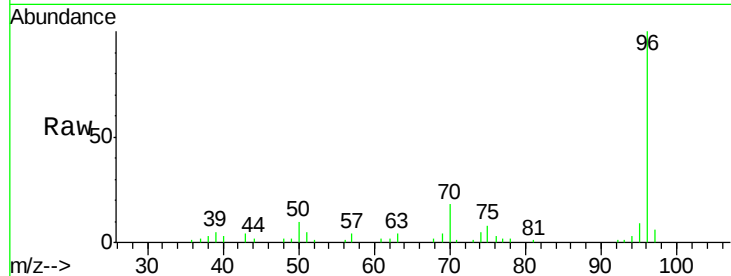
ICVVU041519

Tot Ion: 96 Resp: 36294

Ion	Ratio	Lower	Upper
96	100		
70	18.8	18.4	27.6
95	9.3	7.6	11.4
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 6.126 ug/l

RT: 1.20 min Scan# 35

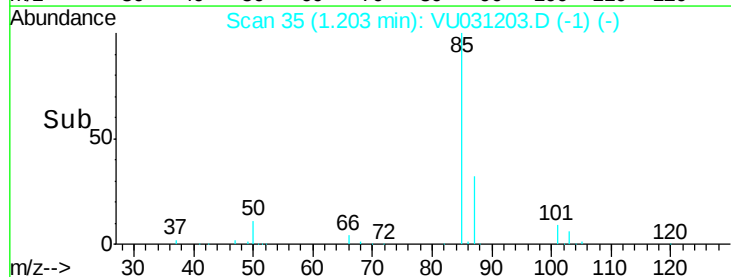
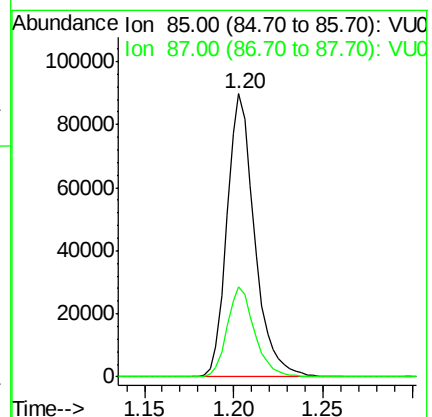
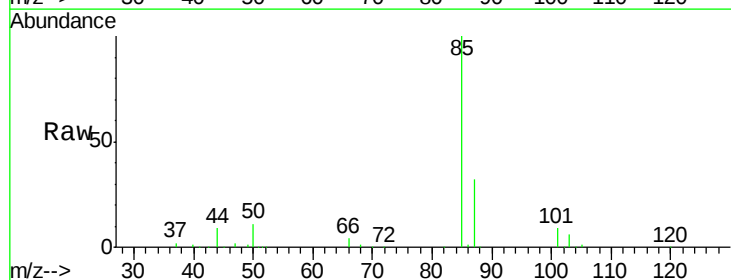
Delta R.T. 0.00 min

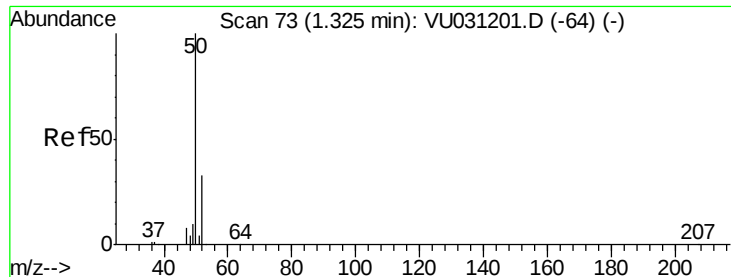
Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Tgt Ion: 85 Resp: 96158

Ion	Ratio	Lower	Upper
85	100		
87	31.6	15.8	47.3





#3

Chloromethane

Concen: 7.894 ug/l

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tot Ion: 50 Resp: 130744

Ion Ratio Lower Upper

50 100

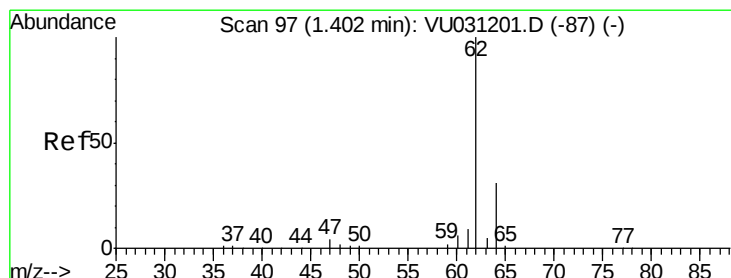
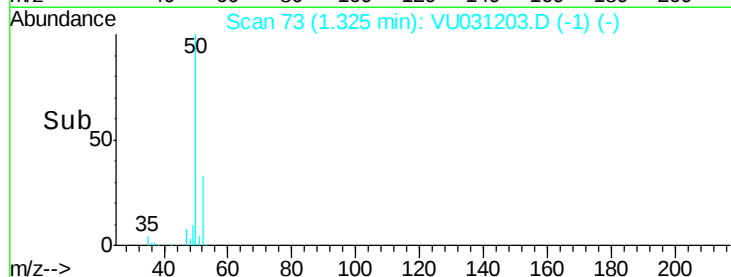
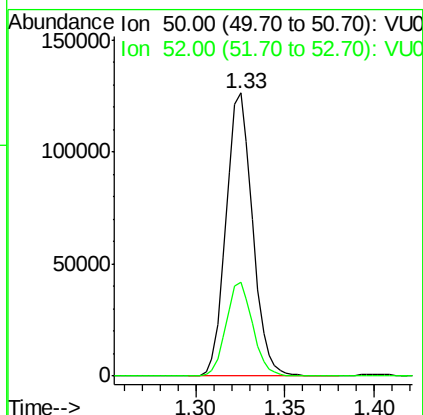
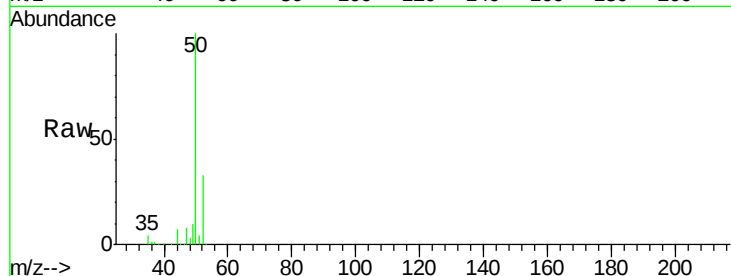
52 33.2 26.2 39.2

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#4

Vinyl Chloride

Concen: 8.444 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031203.D

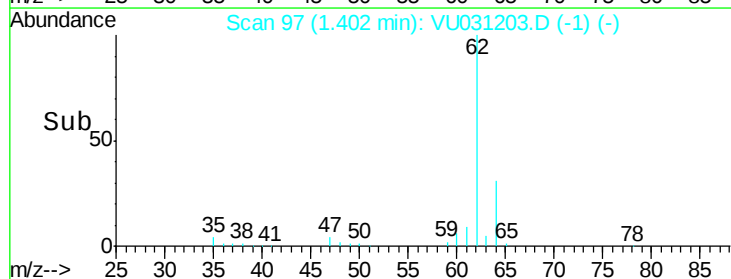
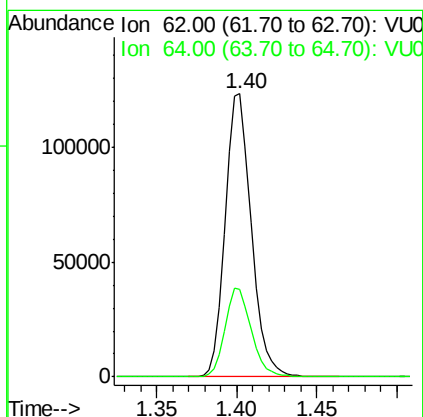
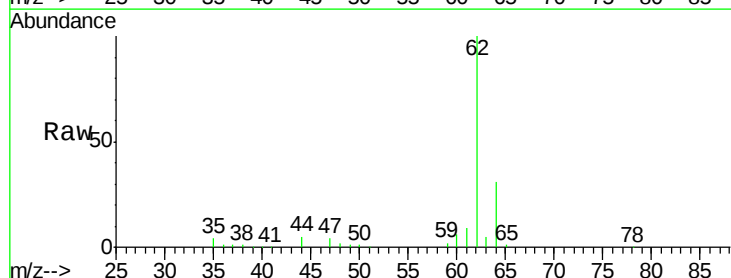
Acq: 15 Apr 2019 23:40

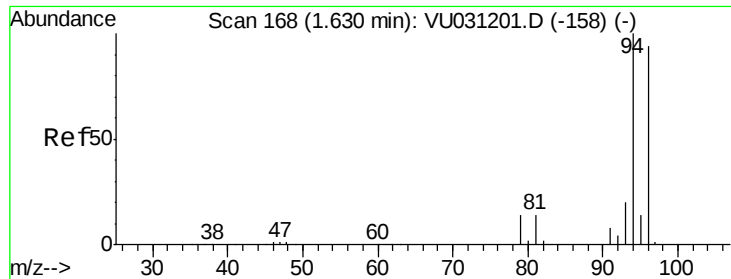
Tgt Ion: 62 Resp: 136628

Ion Ratio Lower Upper

62 100

64 31.0 25.0 37.6





#5

Bromomethane

Concen: 9.062 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tot Ion: 94 Resp: 85904

Ion Ratio Lower Upper

94 100

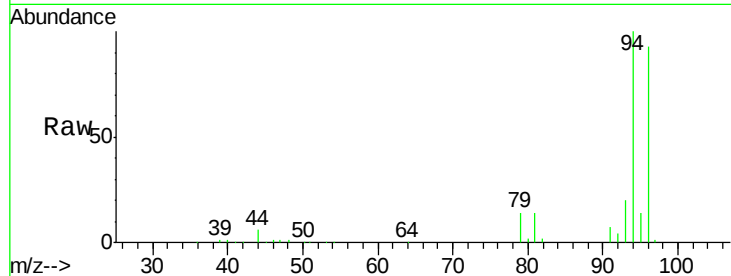
96 92.6 75.0 112.6

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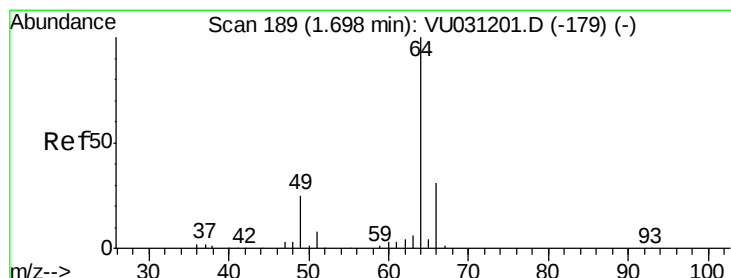
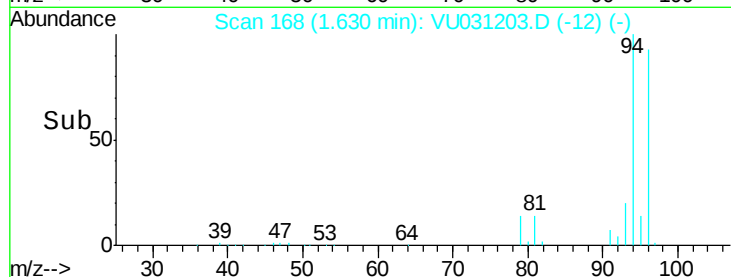
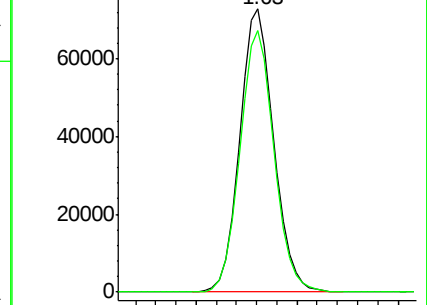
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Abundance Ion 94.00 (93.70 to 94.70): VU031201.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU031201.D (-158) (-)



#6

Chloroethane

Concen: 8.873 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031203.D

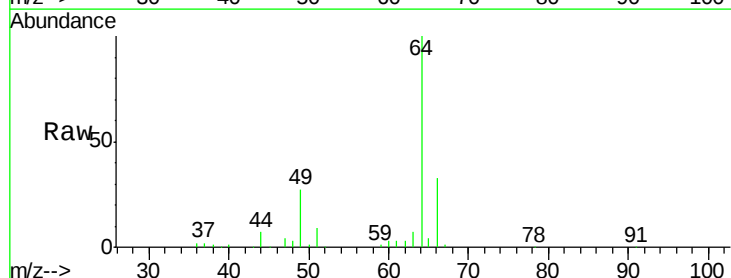
Acq: 15 Apr 2019 23:40

Tgt Ion: 64 Resp: 99141

Ion Ratio Lower Upper

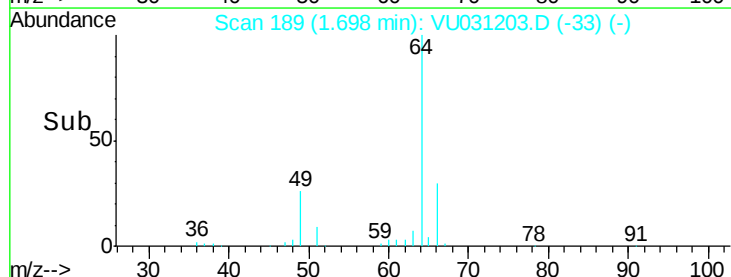
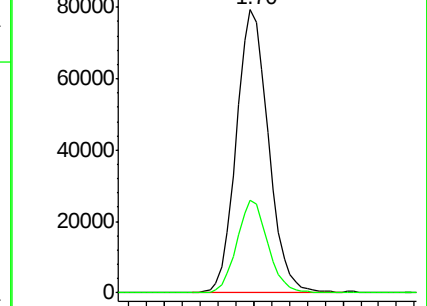
64 100

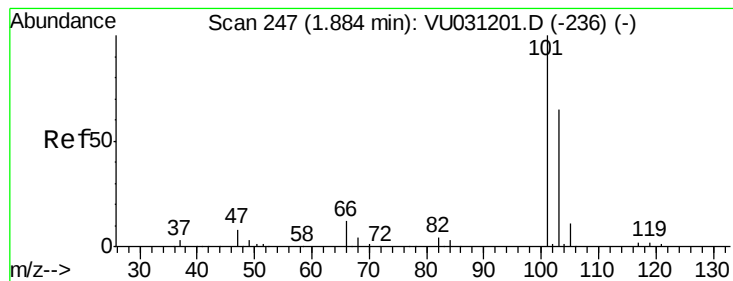
66 32.6 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU031201.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU031201.D (-179) (-)





#7

Trichlorofluoromethane

Concen: 8.858 ug/l

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tot Ion:101 Resp: 209014

Ion Ratio Lower Upper

101 100

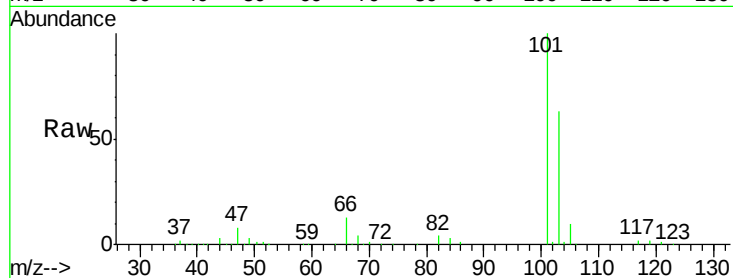
103 63.5 51.8 77.8

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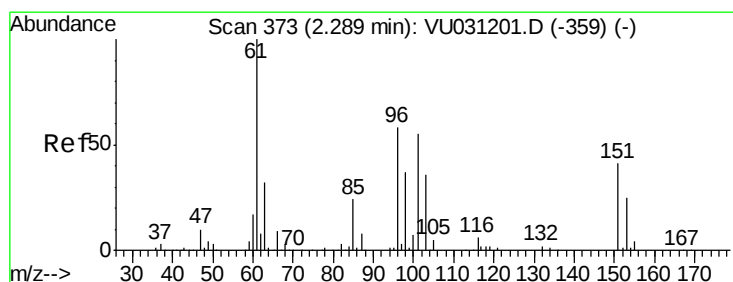
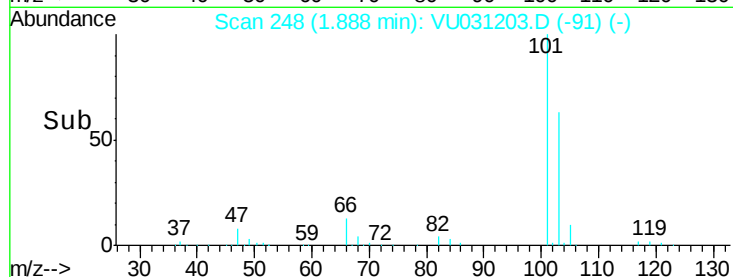
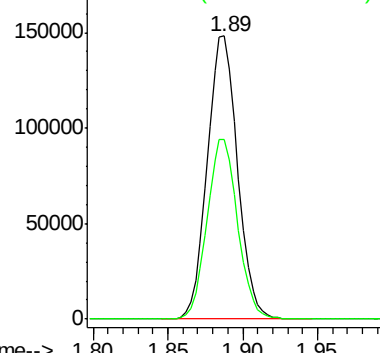
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 10.209 ug/l

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

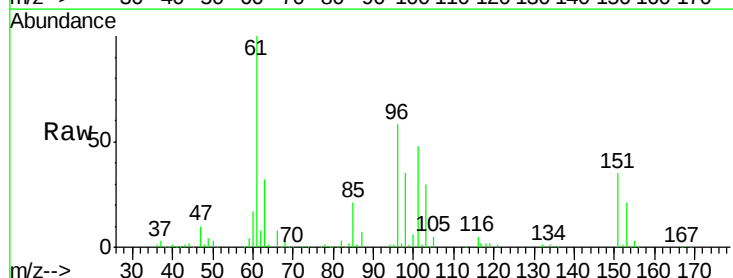
Tgt Ion:101 Resp: 119914

Ion Ratio Lower Upper

101 100

85 45.0 36.1 54.1

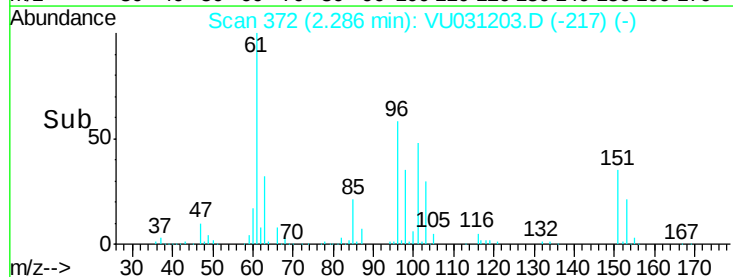
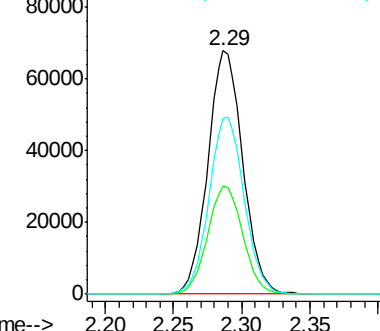
151 73.8 58.2 87.2

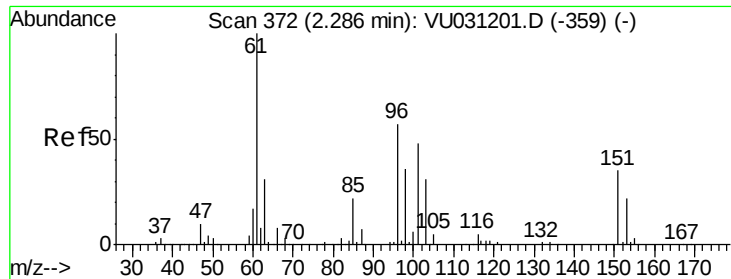


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 10.681 ug/l

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

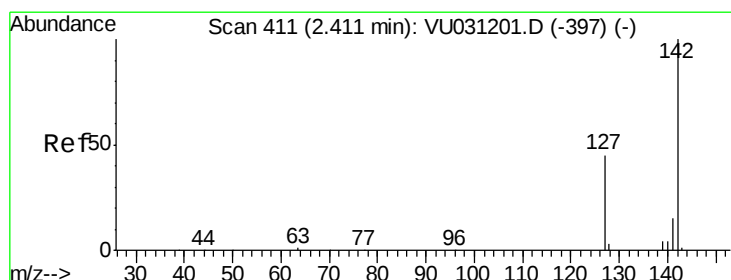
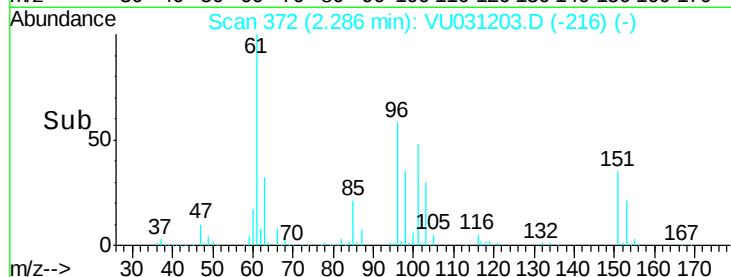
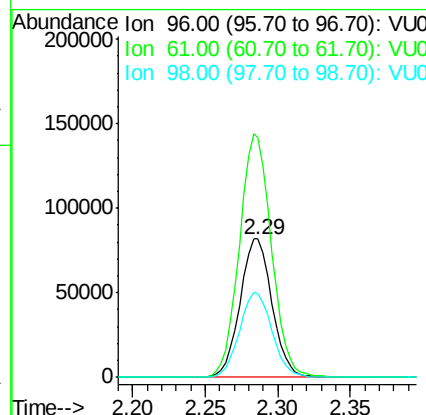
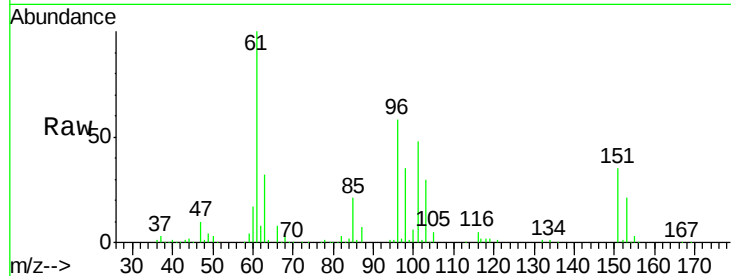
ClientSampleId :

ICVVU041519

Tot Ion:	96	Resp:	125324
Ion Ratio	Lower	Upper	
96	100		
61	172.8	0.0	527.7
98	60.5	0.0	127.6

Manual Integrations
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#10

Iodomethane

Concen: 10.788 ug/l

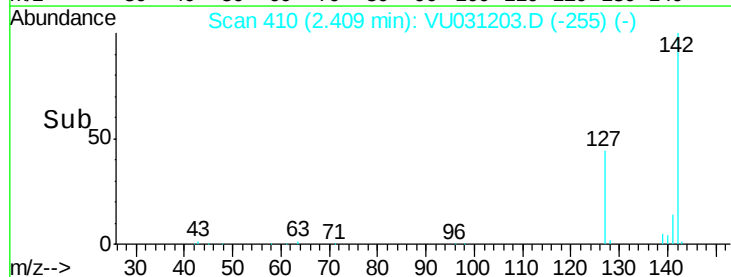
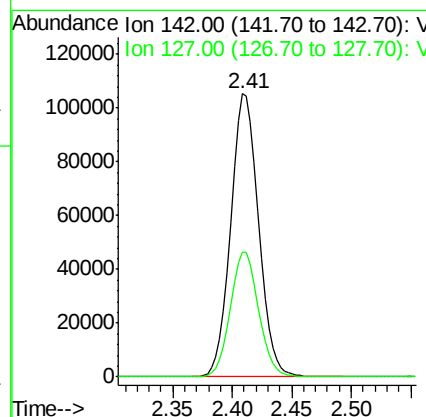
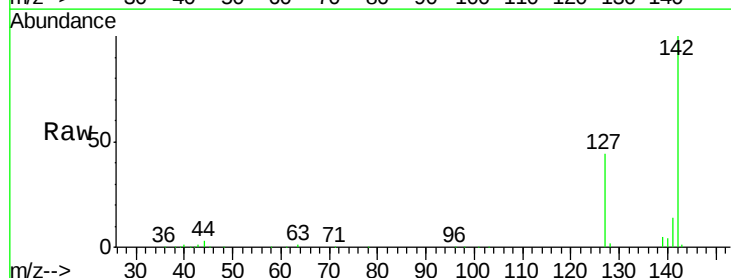
RT: 2.41 min Scan# 410

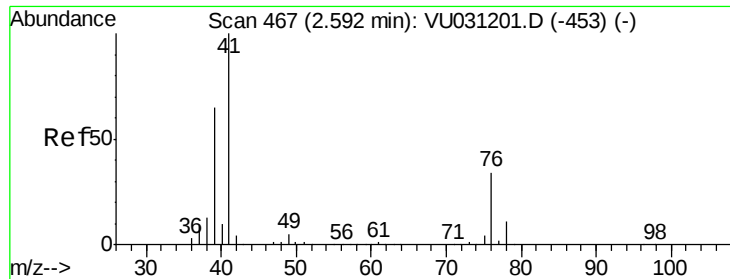
Delta R.T. -0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Tgt Ion:	142	Resp:	170952
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.9	53.9





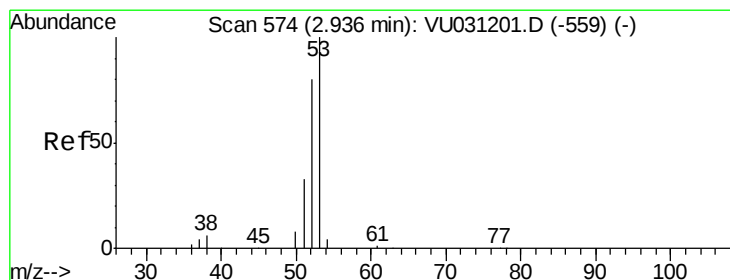
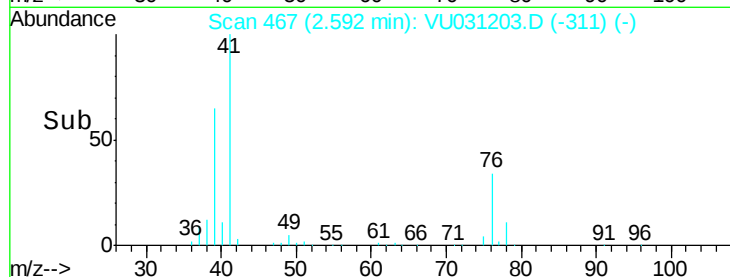
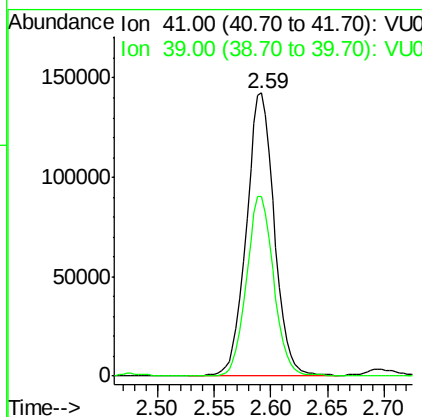
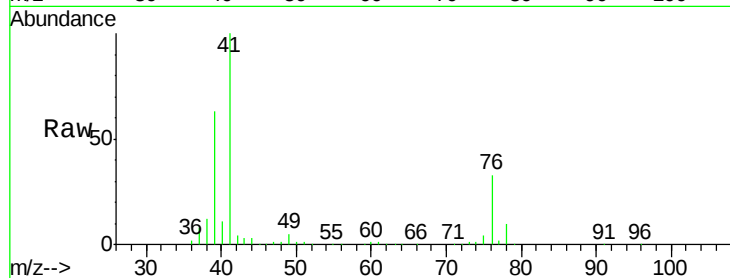
#11
Allvl Chloride
Concen: 10.600 ug/l
RT: 2.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

Tot Ion	Ratio	Resp	Lower	Upper
41	100	244131		
39	61.7	51.9	77.9	

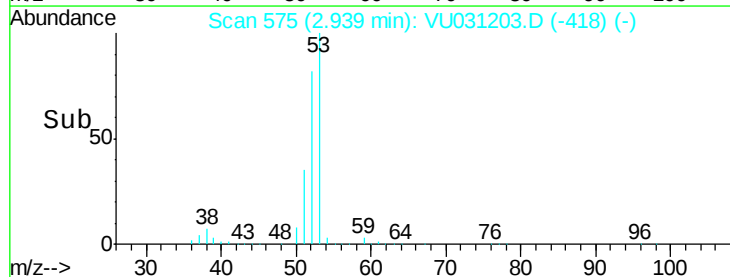
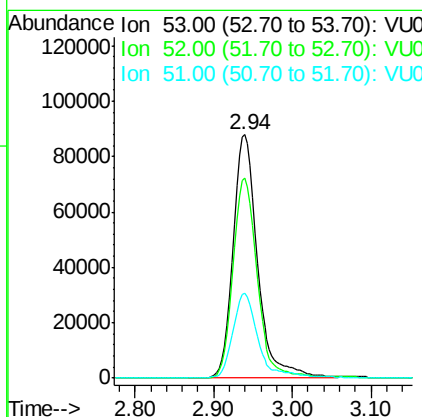
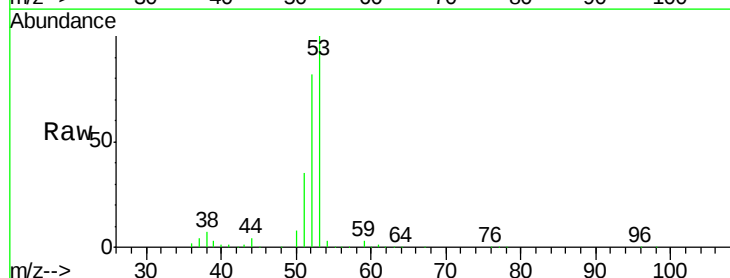
Manual Integrations
APPROVED

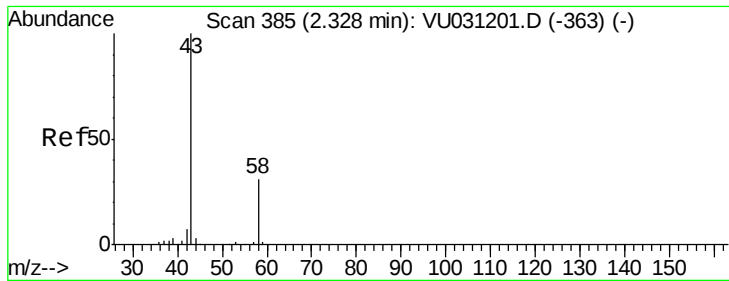
MMDadoda
4/16/2019 3:23:38 PM



#12
Acrylonitrile
Concen: 55.575 ug/l
RT: 2.94 min Scan# 575
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
53	100	190774		
52	81.3	67.8	101.8	
51	35.4	26.9	40.3	





#13

Acetone

Concen: 50.173 ug/l

RT: 2.33 min Scan# 386

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tot Ion: 43 Resp: 141165

Ion Ratio Lower Upper

43 100

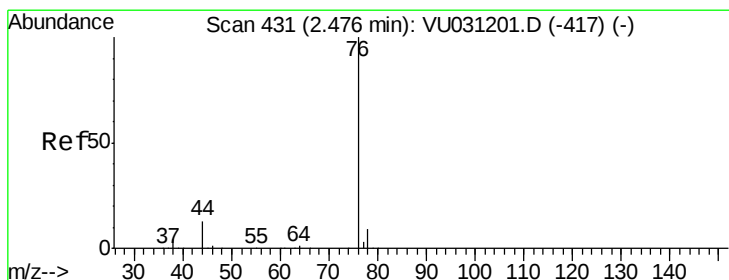
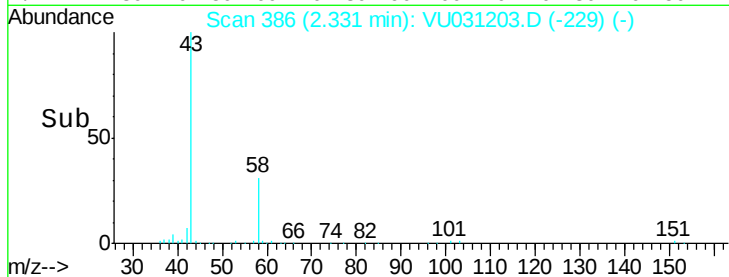
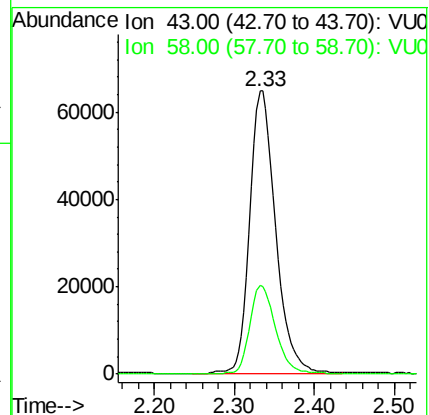
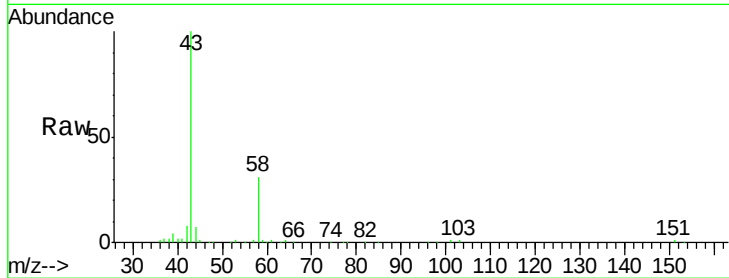
58 31.2 24.7 37.1

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#14

Carbon Disulfide

Concen: 9.721 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031203.D

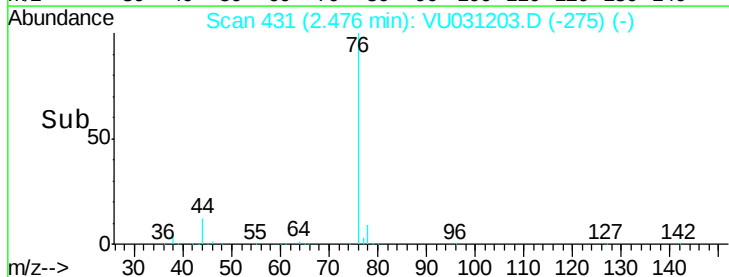
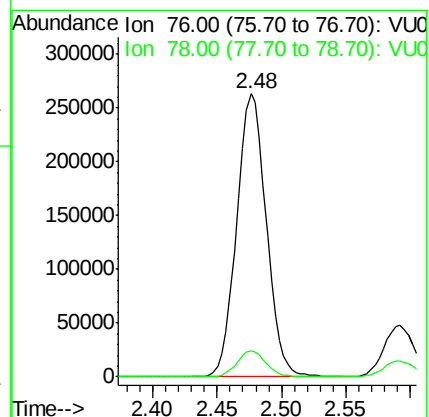
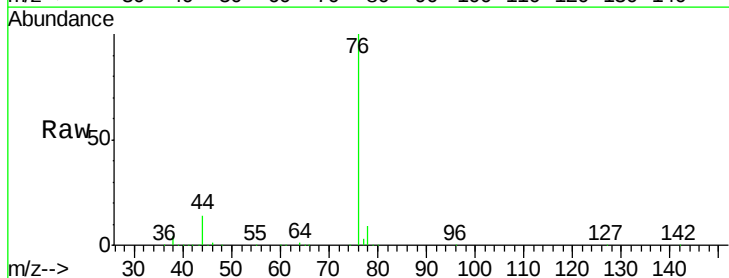
Acq: 15 Apr 2019 23:40

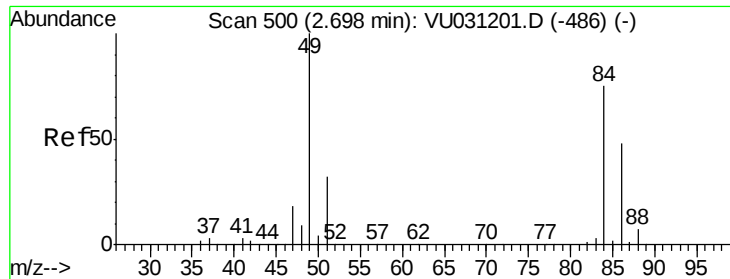
Tgt Ion: 76 Resp: 421304

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





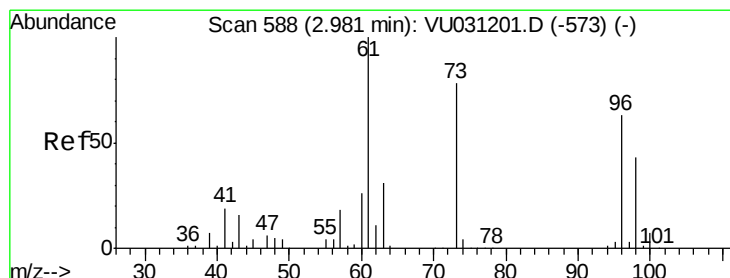
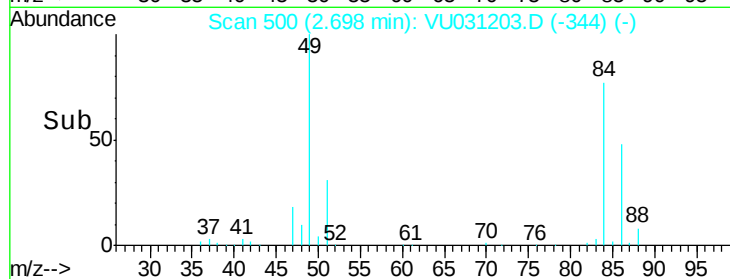
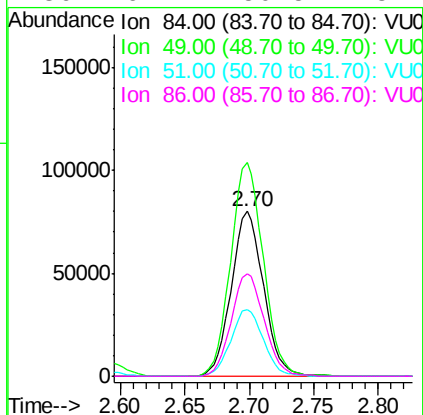
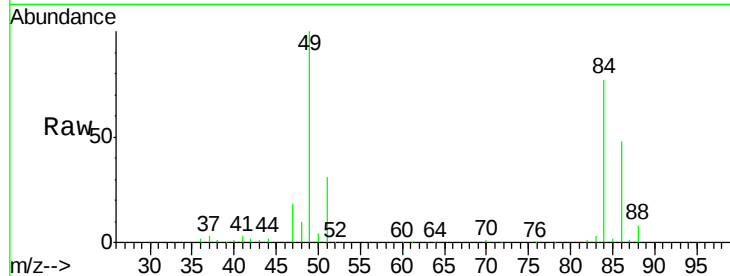
#15
Methvlene Chloride
Concen: 9.170 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

Tot Ion:	84	Resp:	138718
Ion	Ratio	Lower	Upper
84	100		
49	129.6	106.1	159.1
51	40.6	0.0	84.2
86	62.4	50.5	75.7

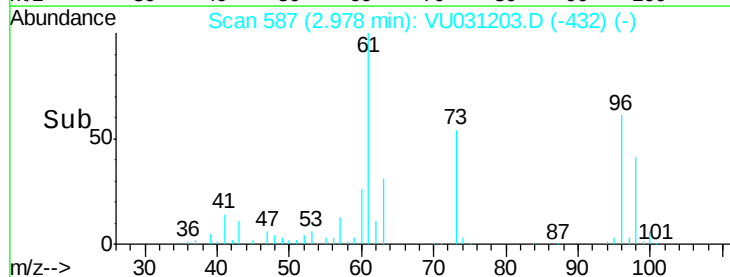
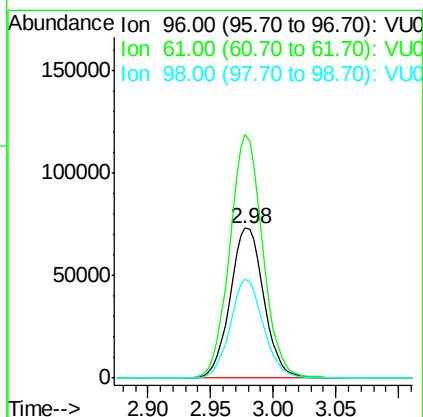
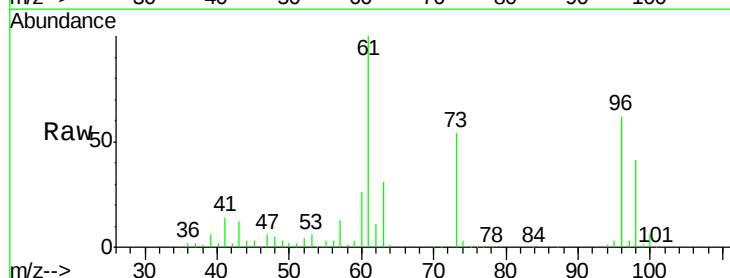
Manual Integrations
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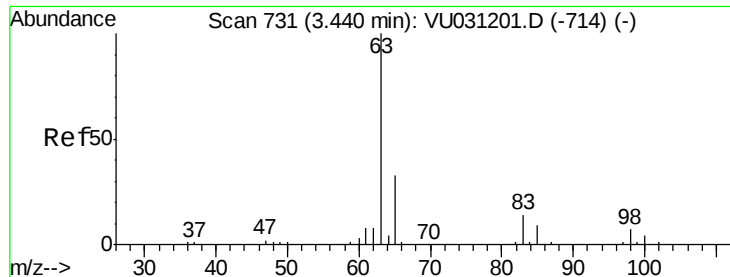
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 10.556 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion:	96	Resp:	136707
Ion	Ratio	Lower	Upper
96	100		
61	162.3	126.6	189.8
98	66.3	53.9	80.9





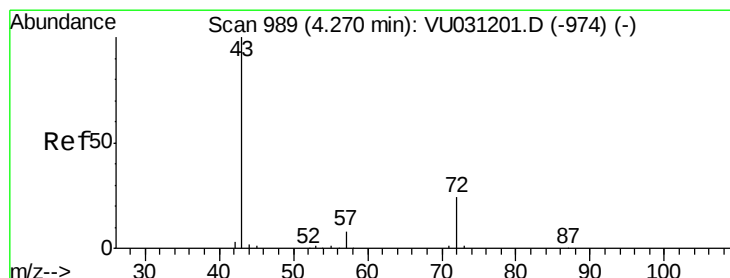
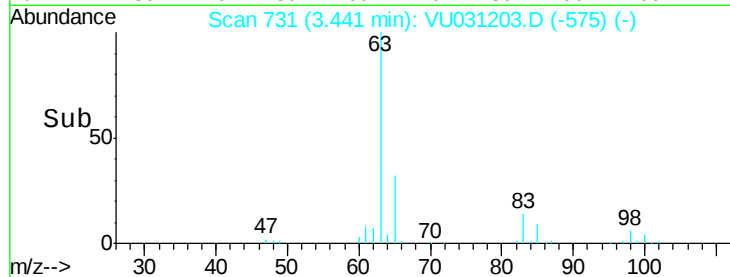
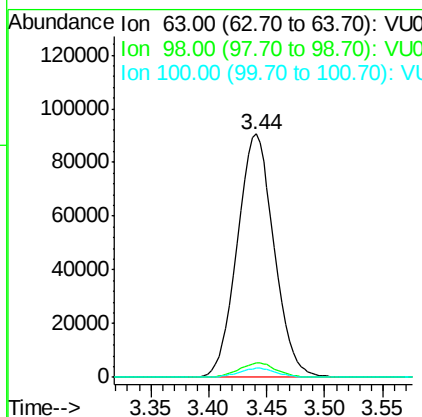
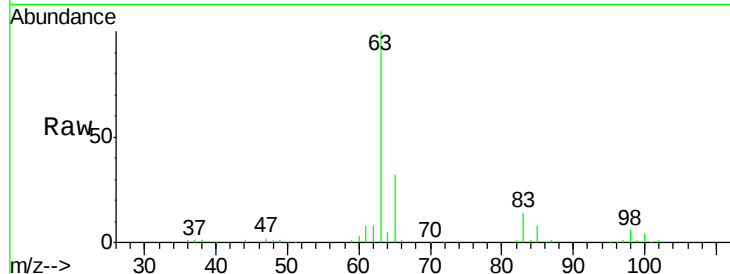
#17
 1,1-Dichloroethane
 Concen: 9.731 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

Tot Ion:	63	Resp:	199590
Ion Ratio	Lower	Upper	
63	100		
98	5.8	3.3	9.8
100	3.6	2.0	5.8

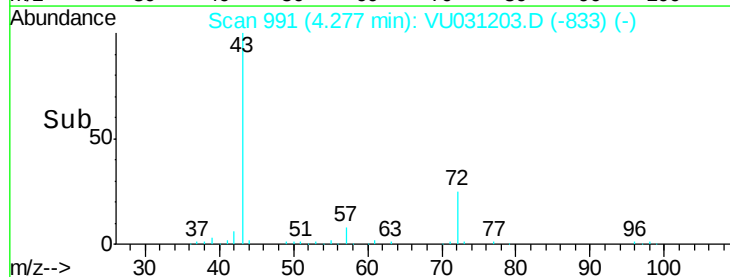
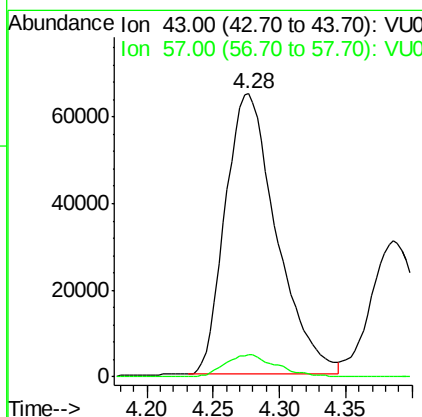
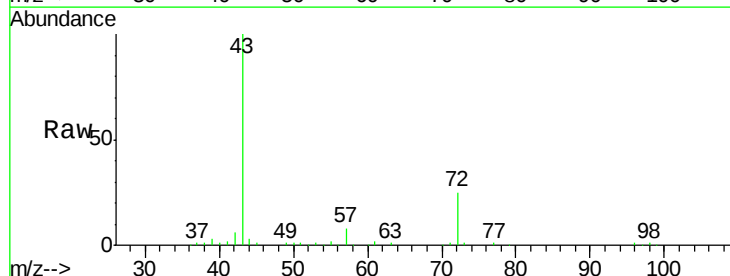
Manual Integrations
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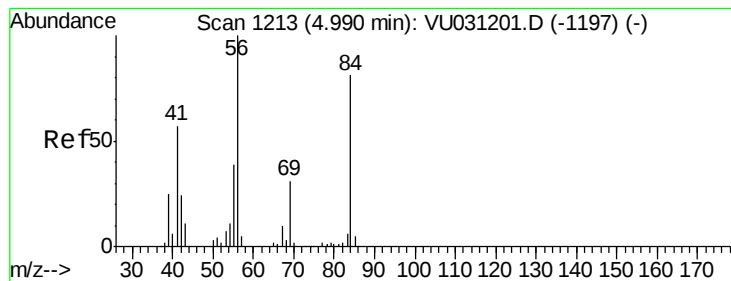
MMDadoda
 4/16/2019 3:23:38 PM



#18
 2-Butanone
 Concen: 54.711 ug/l
 RT: 4.28 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion:	43	Resp:	174539
Ion Ratio	Lower	Upper	
43	100		
57	7.9	0.0	16.2





#19

Cyclohexane

Concen: 11.347 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

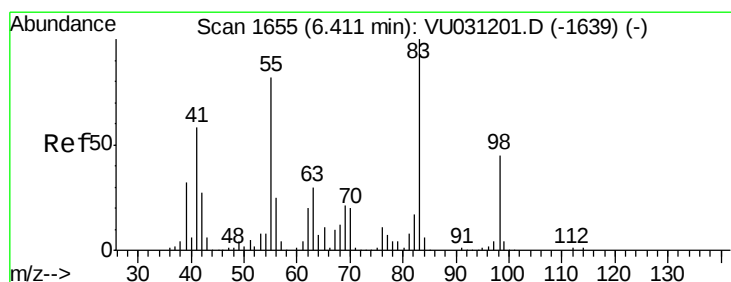
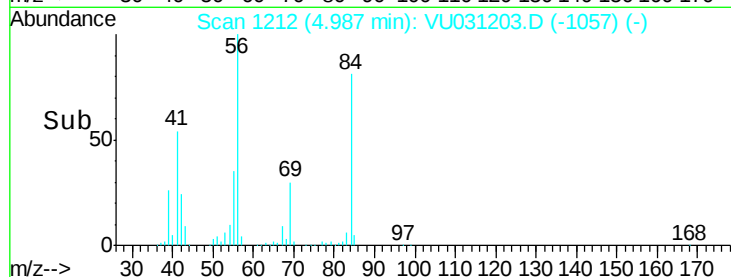
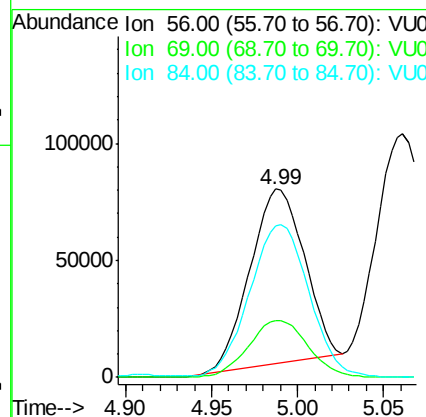
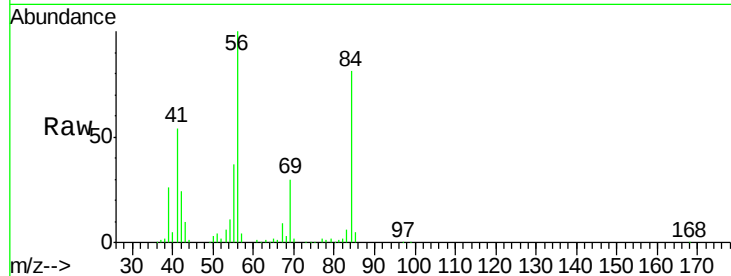
ClientSampleId :

ICVVU041519

Tot Ion:	56	Resp:	163748
Ion	Ratio	Lower	Upper
56	100		
69	36.0	28.3	42.5
84	94.4	75.2	112.8

Manual Integrations
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4/16/2019 3:23:38 PM



#20

Methylcyclohexane

Concen: 11.497 ug/l

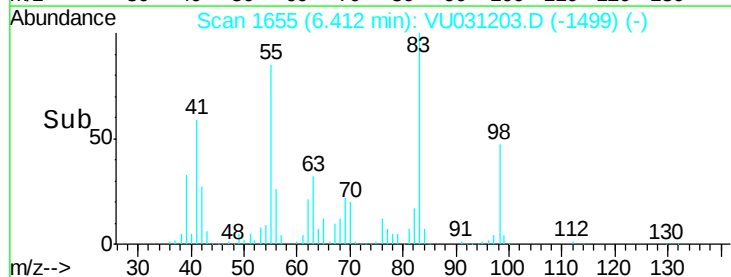
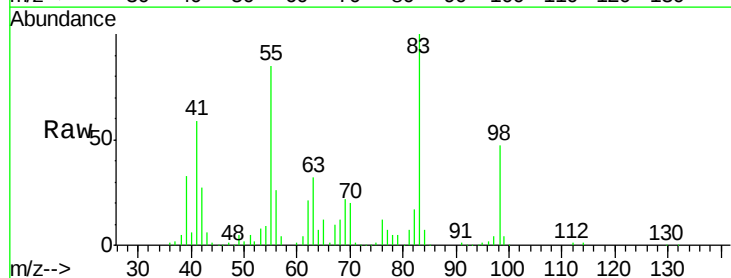
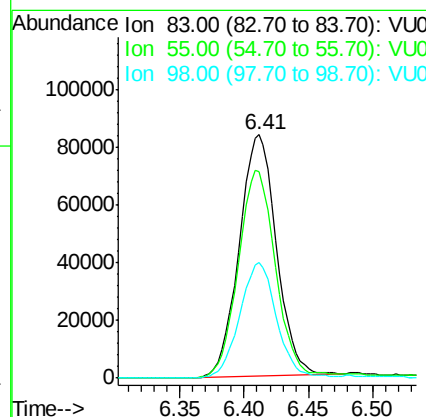
RT: 6.41 min Scan# 1655

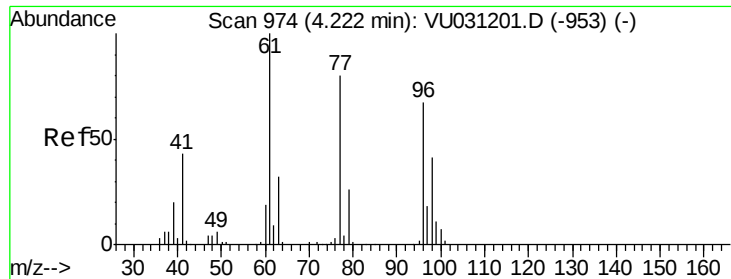
Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Tgt Ion:	83	Resp:	168245
Ion	Ratio	Lower	Upper
83	100		
55	84.6	68.2	102.2
98	46.2	35.8	53.8





#21

2,2-Dichloropropane

Concen: 10.092 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tot Ion: 77 Resp: 160443

Ion Ratio Lower Upper

77 100

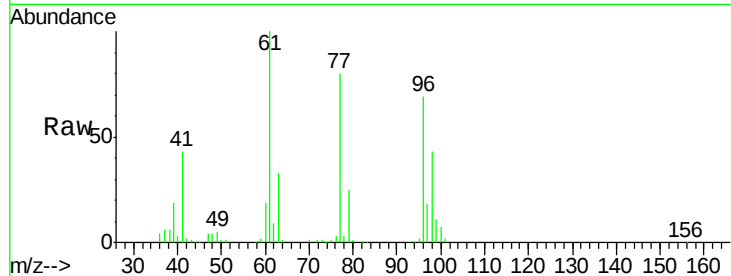
97 22.0 18.2 27.2

Manual Integrations

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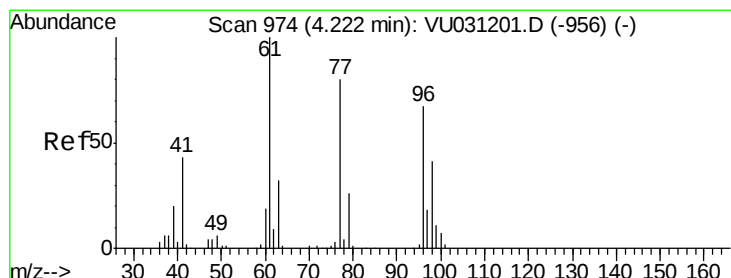
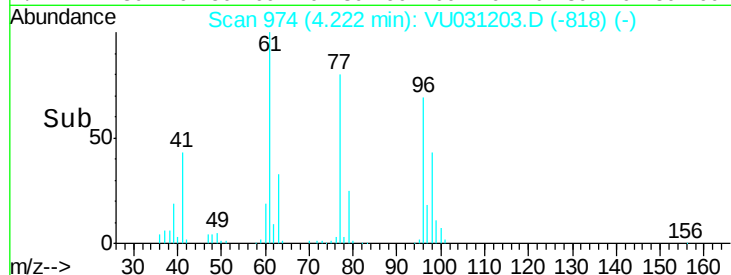
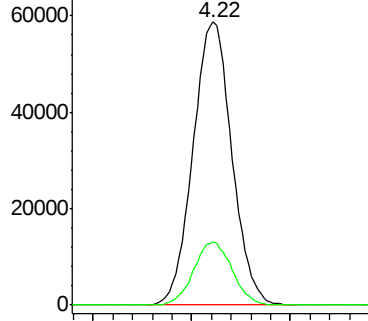
MMDadoda

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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: 10.751 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

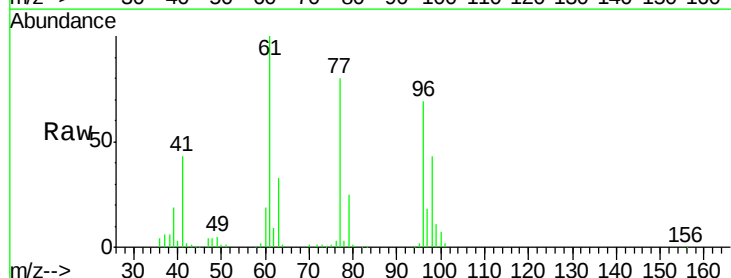
Tgt Ion: 96 Resp: 121398

Ion Ratio Lower Upper

96 100

61 152.6 0.0 380.0

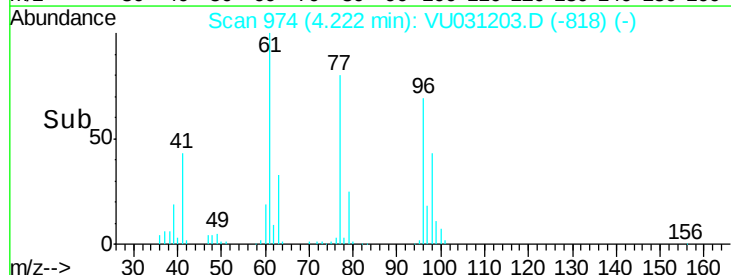
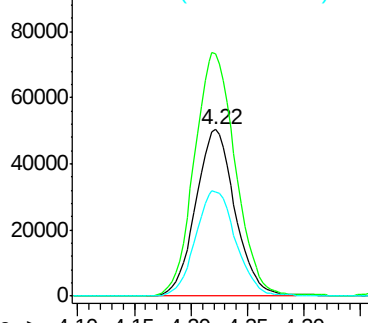
98 65.1 32.3 96.9

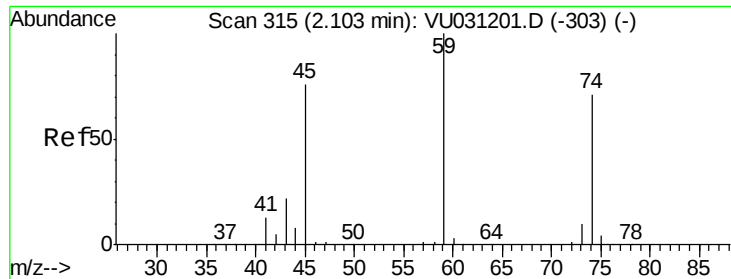


Abundance Ion 96.00 (95.70 to 96.70): VU031201.D (-956) (-)

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

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





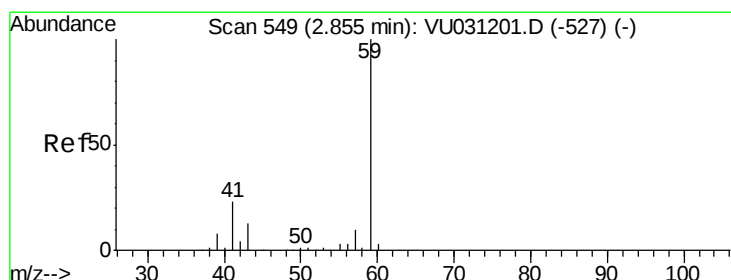
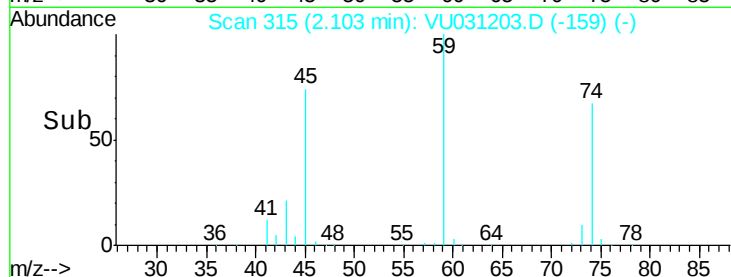
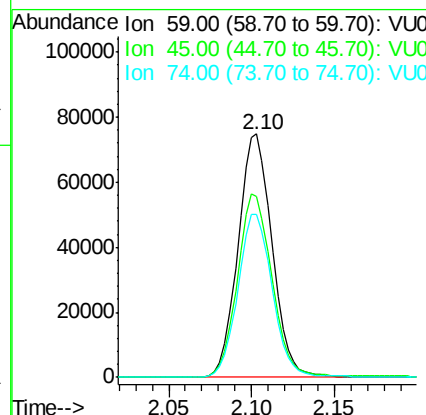
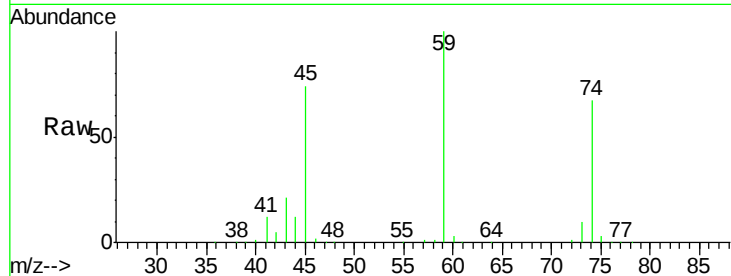
#23
Diethyl Ether
Concen: 9.760 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

Tot Ion	Ratio	Lower	Upper
59	100		
45	76.1	61.8	92.6
74	68.0	55.8	83.8

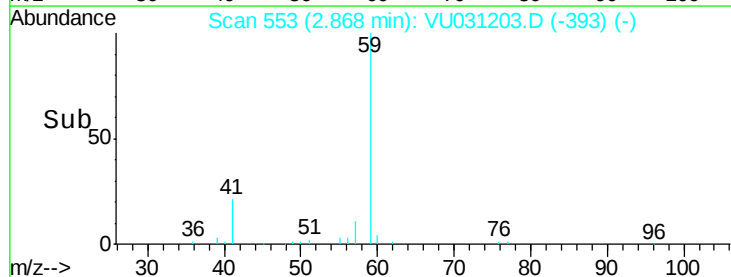
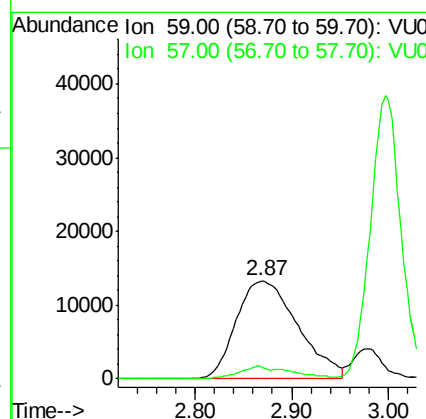
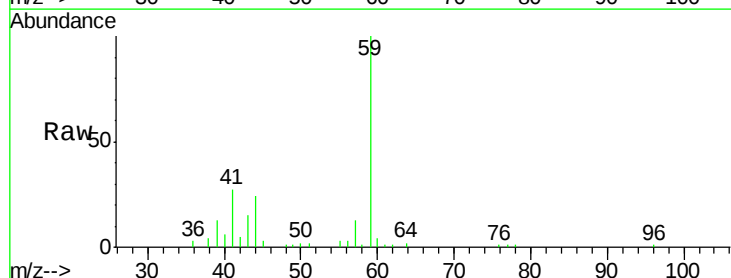
Manual Integrations
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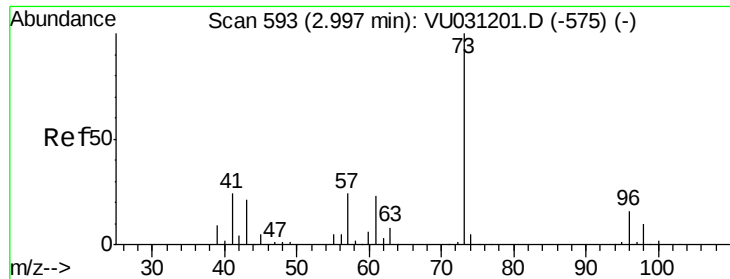
MMDadoda
4/16/2019 3:23:38 PM



#24
tert-Butyl Alcohol
Concen: 50.409 ug/l
RT: 2.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion	Ratio	Lower	Upper
59	100		
57	6.2	8.4	12.6#





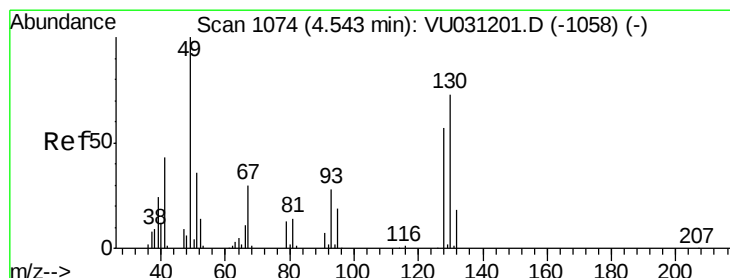
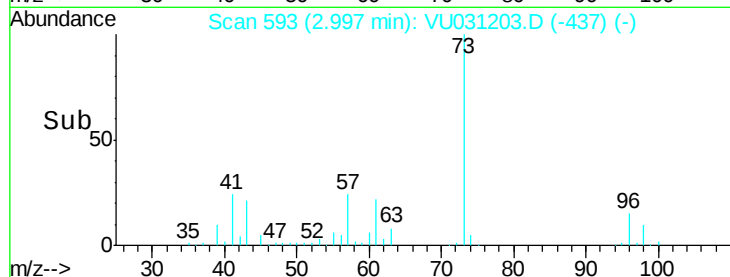
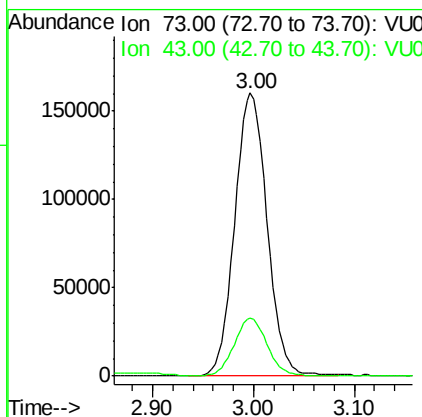
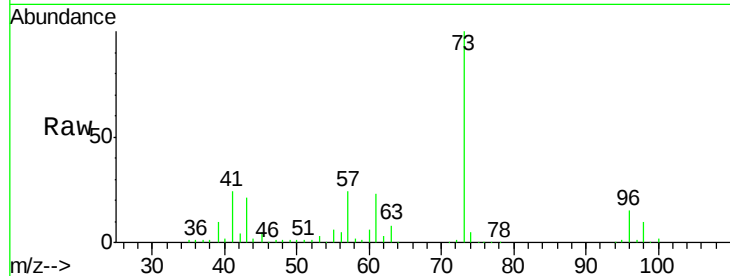
#25
Methvl tert-Butvl Ether
Concen: 10.437 ug/l
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

Tot Ion: 73 Resp: 357085
Ion Ratio Lower Upper
73 100
43 20.3 16.2 24.4

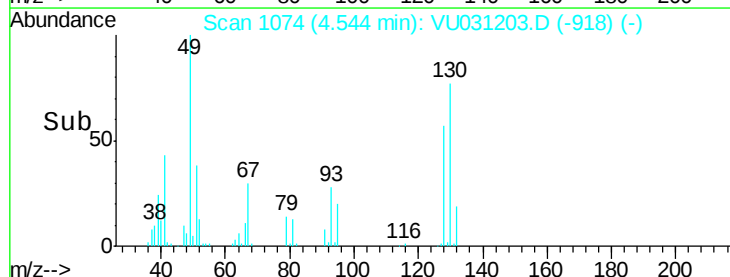
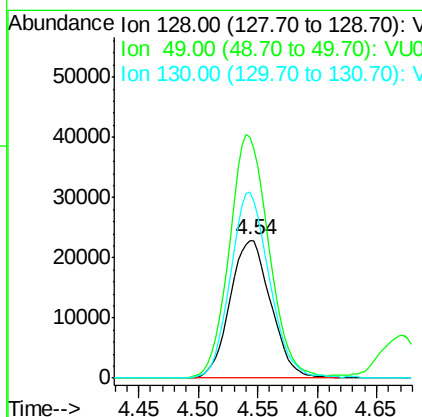
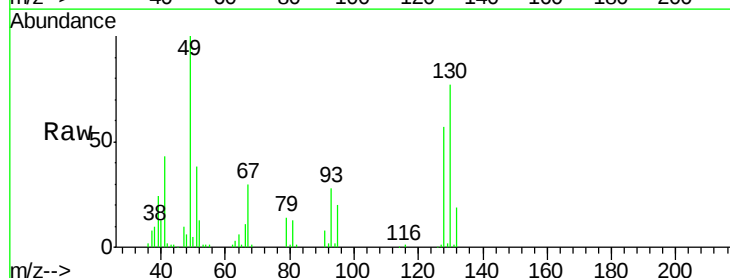
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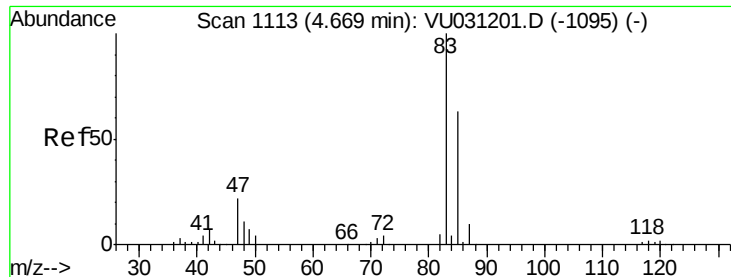
MMDadoda
4/16/2019 3:23:38 PM



#26
Bromochloromethane
Concen: 10.546 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion: 128 Resp: 54283
Ion Ratio Lower Upper
128 100
49 171.5 0.0 345.8
130 129.2 103.4 155.2





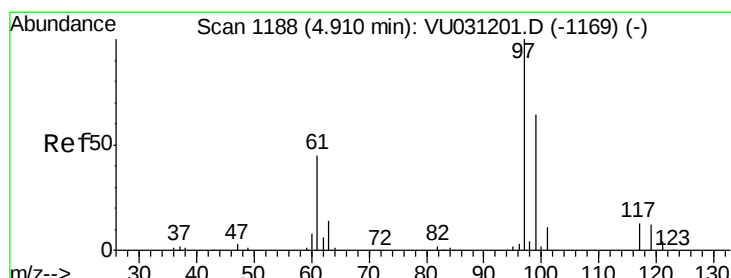
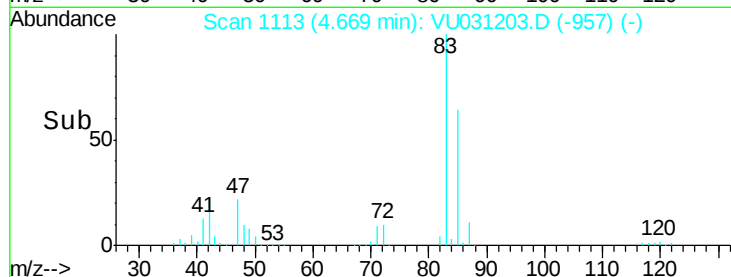
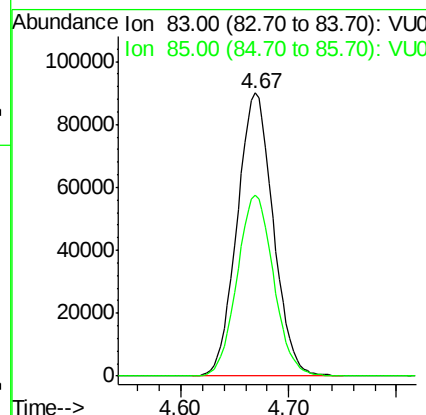
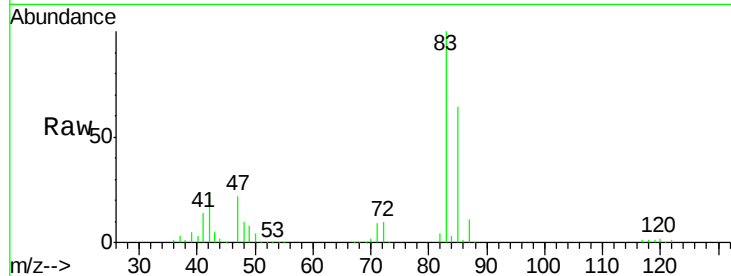
#27
Chloroform
Concen: 10.328 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Instrument :
MSVOA_U
ClientSampled :
ICVVU041519

Tot Ion	83	Resp	209602
Ion Ratio	100	Lower	Upper
85	63.8	0.0	126.6

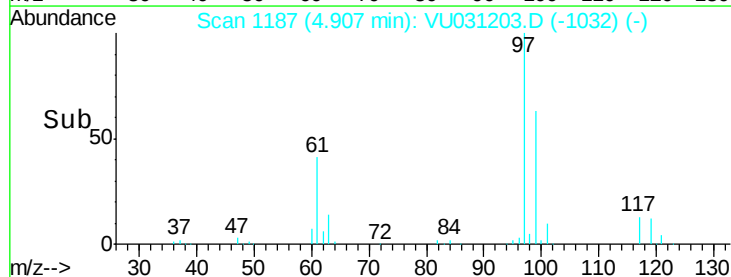
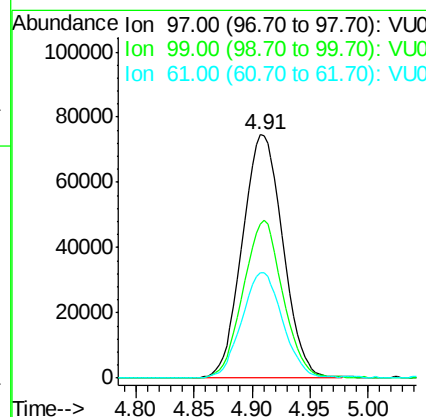
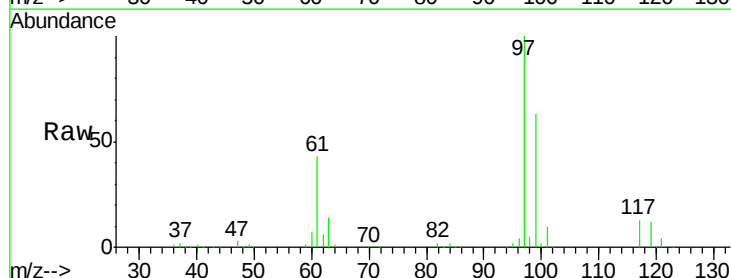
Manual Integrations
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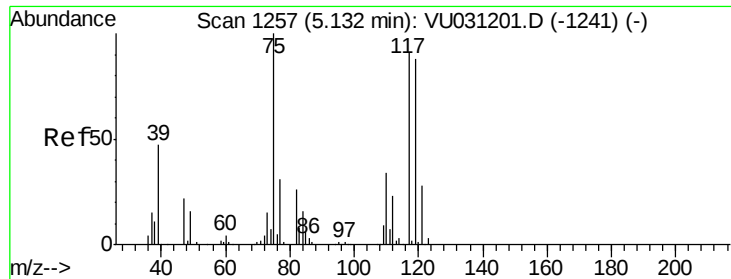
MMDadoda
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#28
1,1,1-Trichloroethane
Concen: 10.558 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion	97	Resp	182131
Ion Ratio	100	Lower	Upper
99	63.5	32.0	96.0
61	43.7	22.2	66.6





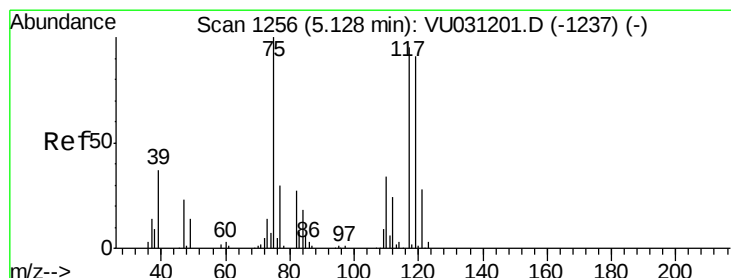
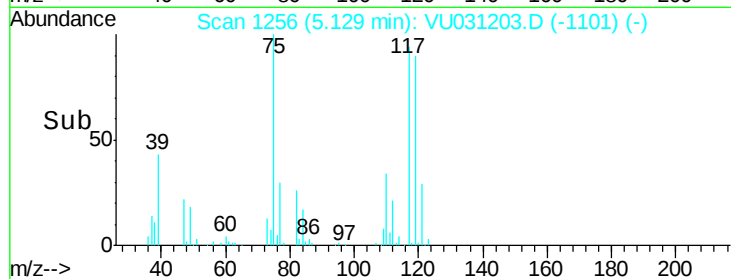
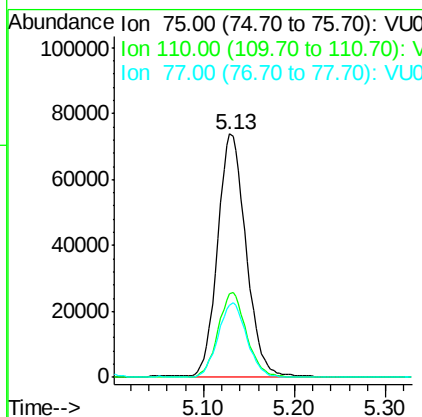
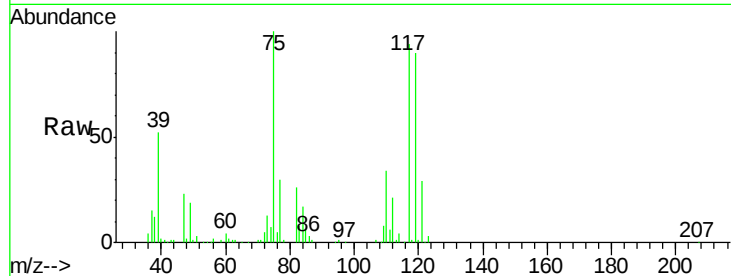
#29
 1,1-Dichloropropene
 Concen: 11.041 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.2	51.5
77	31.1	24.9	37.3

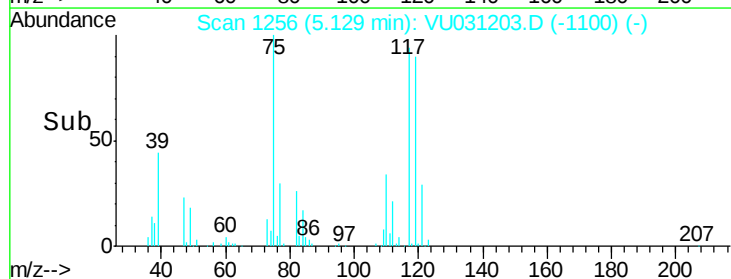
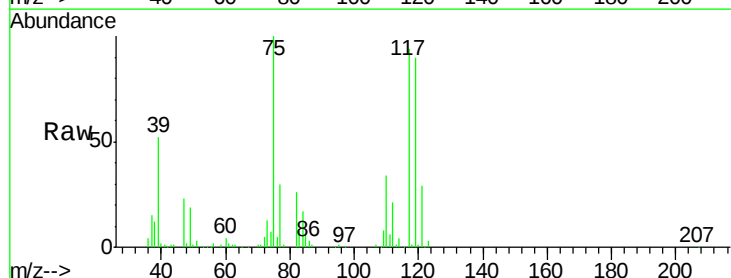
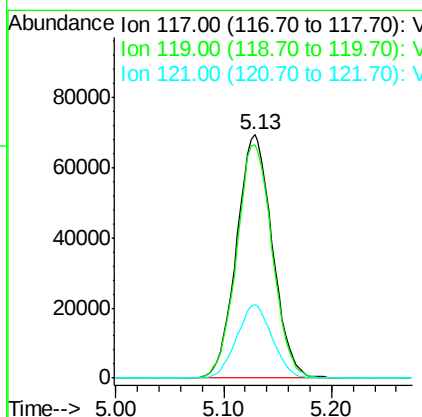
Manual Integrations
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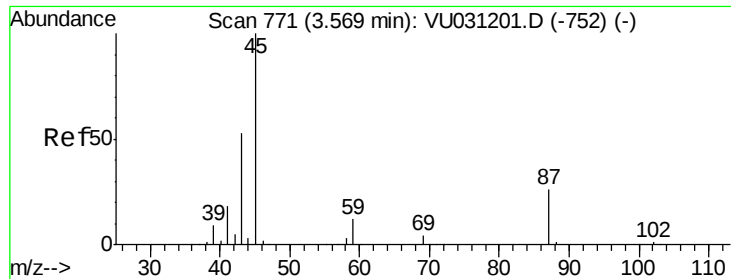
MMDadoda
 4/16/2019 3:23:38 PM



#30
 Carbon Tetrachloride
 Concen: 10.524 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.2	114.4
121	30.4	23.8	35.8





#31

Isopropyl Ether

Concen: 11.166 ug/l

RT: 3.57 min Scan# 771

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tot Ion: 45 Resp: 335829

Ion Ratio Lower Upper

45 100

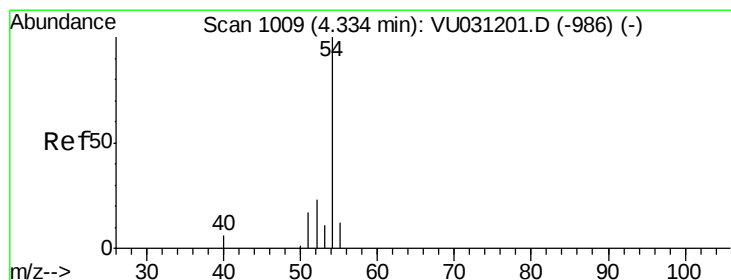
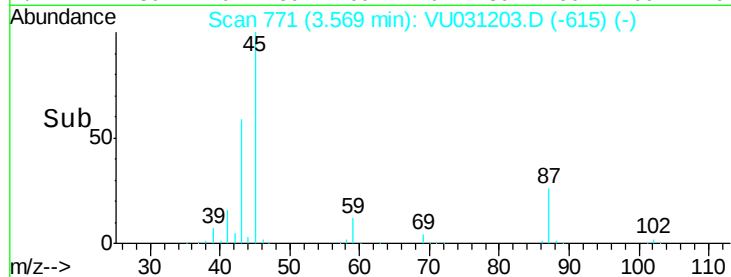
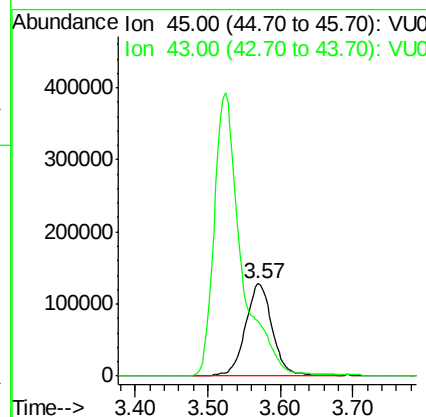
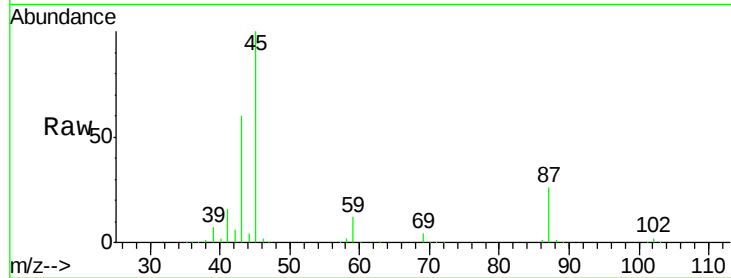
43 304.2 26.4 79.2#

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#34

Propionitrile

Concen: 120.291 ug/l

RT: 4.34 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Tgt Ion: 54 Resp: 106037

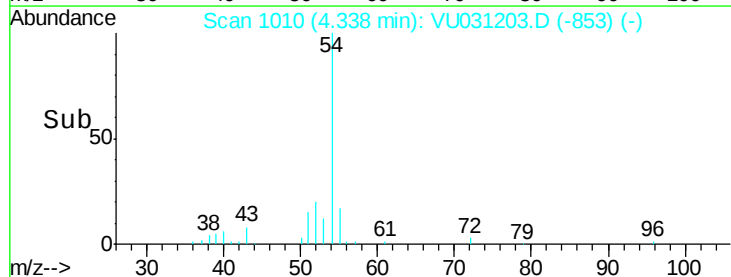
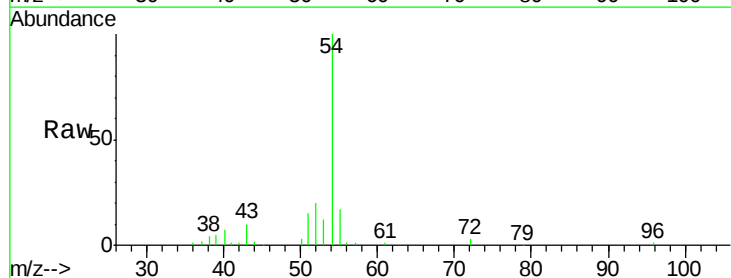
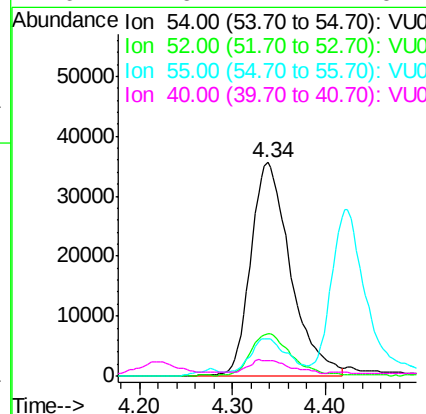
Ion Ratio Lower Upper

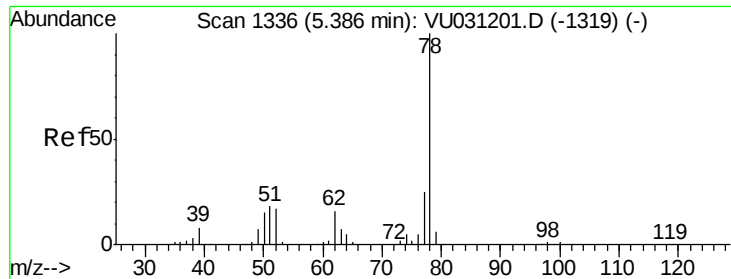
54 100

52 20.1 15.9 23.9

55 16.7 8.9 13.3#

40 2.6 4.1 6.1#





#35

Benzene

Concen: 10.846 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tot Ion: 78 Resp: 466971

Ion Ratio Lower Upper

78 100

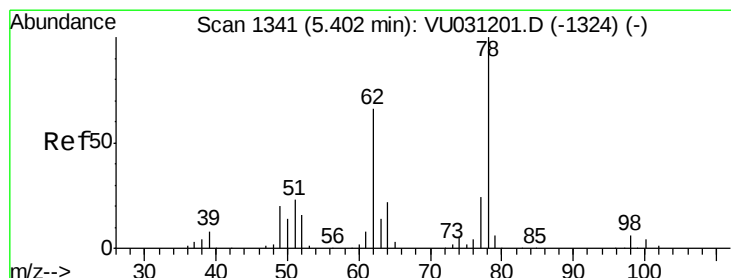
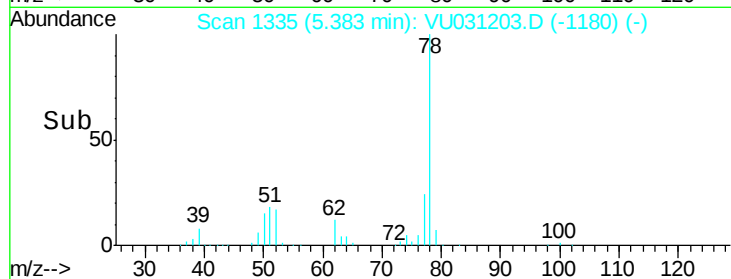
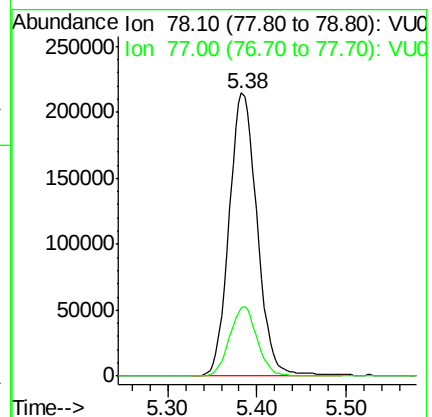
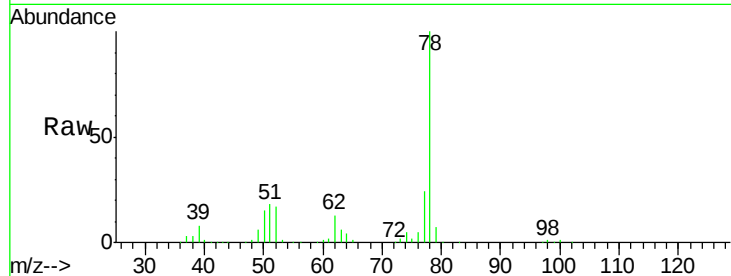
77 24.0 19.6 29.4

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#36

1,2-Dichloroethane

Concen: 10.501 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU031203.D

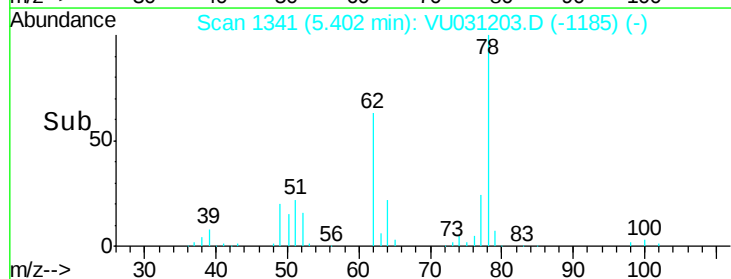
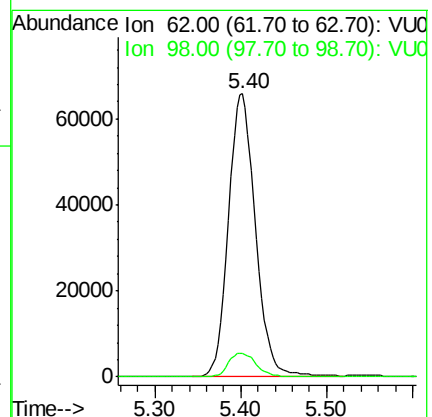
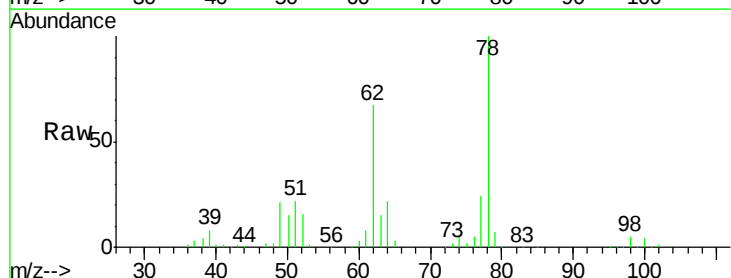
Acq: 15 Apr 2019 23:40

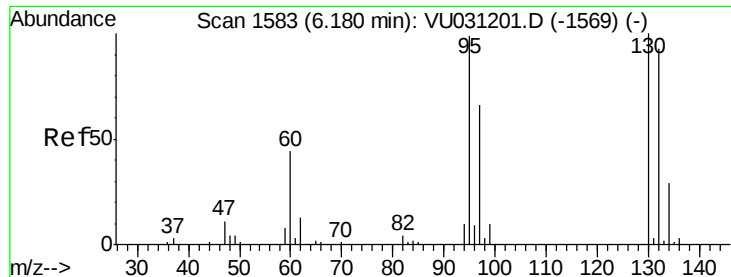
Tgt Ion: 62 Resp: 143869

Ion Ratio Lower Upper

62 100

98 8.5 7.0 10.6





#37

Trichloroethene

Concen: 9.923 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tot Ion:130 Resp: 119802

Ion Ratio Lower Upper

130 100

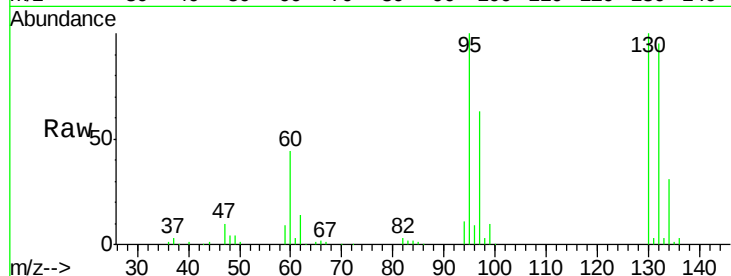
95 99.8 79.3 118.9

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Abundance Ion 129.90 (129.60 to 130.60): VU031203.D (-1427) (-)

Ion 94.90 (94.60 to 95.60): VU031203.D (-1427) (-)

6.18

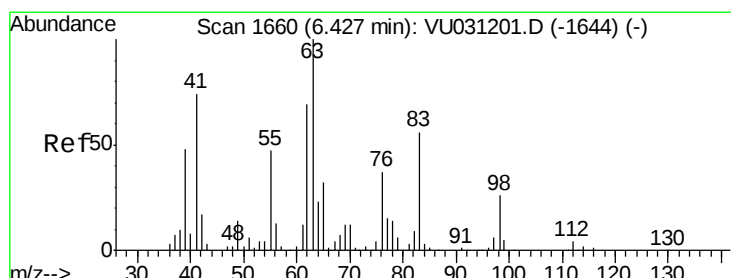
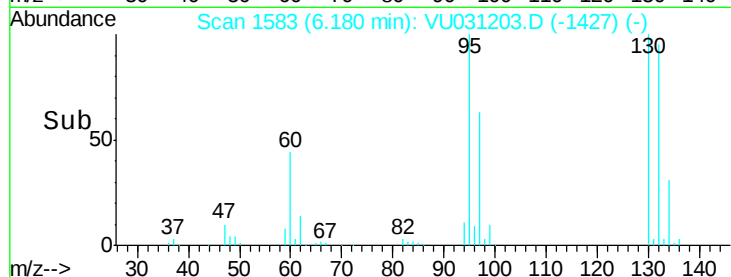
60000

40000

20000

0

Time-->



#38

1,2-Dichloropropane

Concen: 10.773 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU031203.D

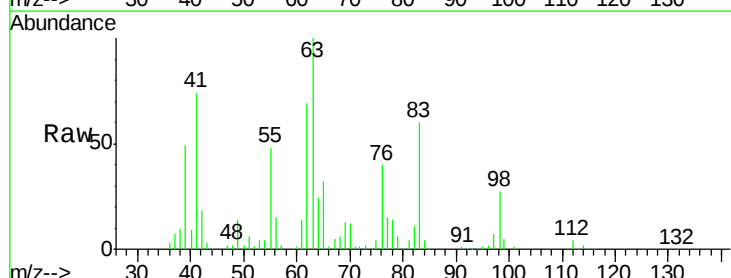
Acq: 15 Apr 2019 23:40

Tgt Ion: 63 Resp: 123514

Ion Ratio Lower Upper

63 100

65 32.4 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU031203.D (-1504) (-)

Ion 65.00 (64.70 to 65.70): VU031203.D (-1504) (-)

6.43

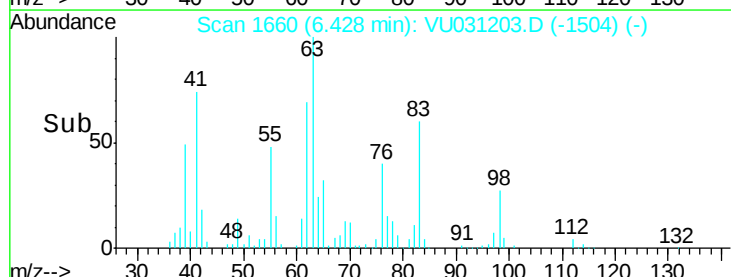
60000

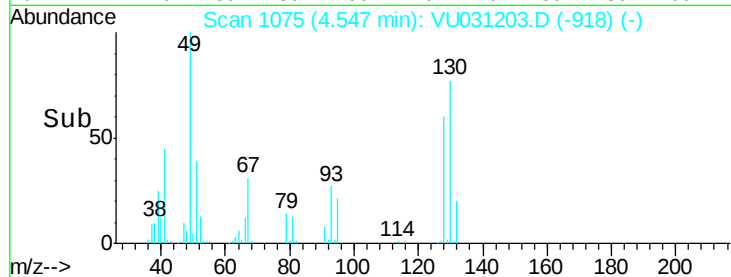
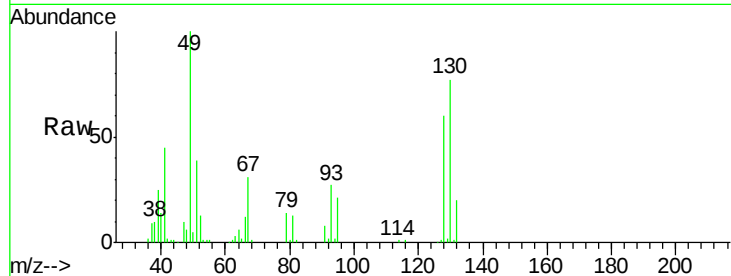
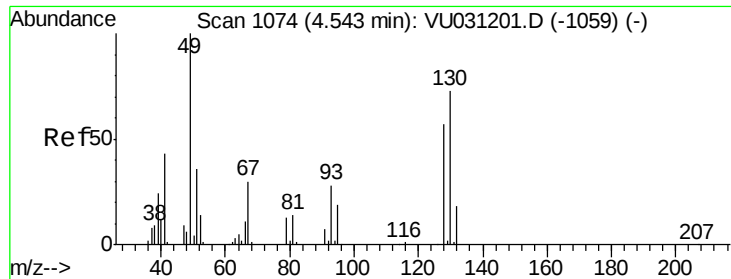
40000

20000

0

Time-->





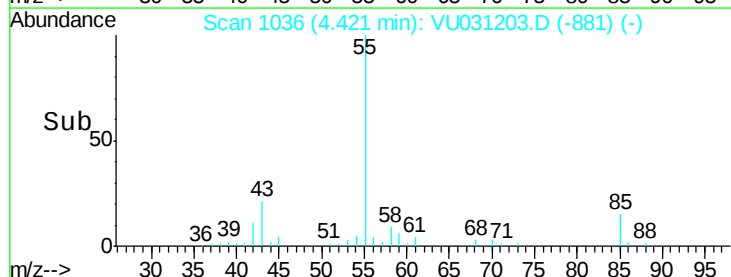
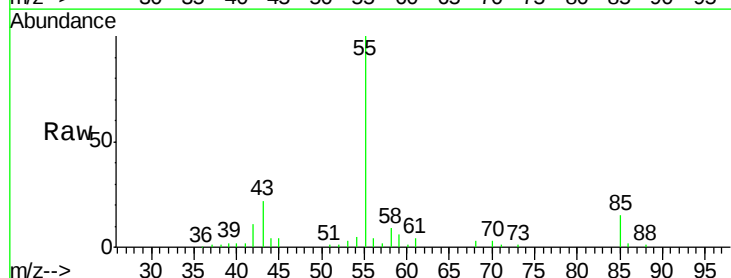
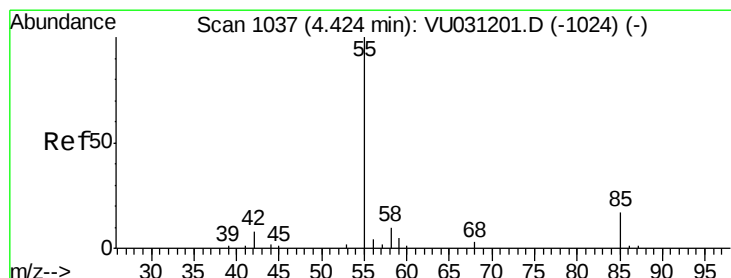
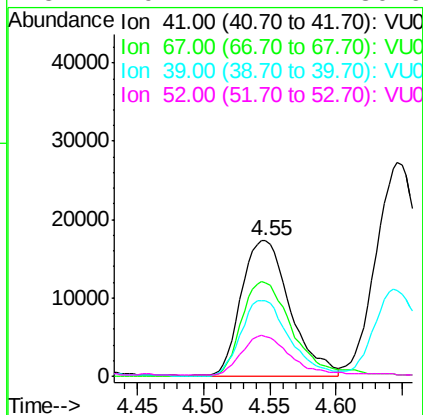
#39
Methacrylonitrile
Concen: 11.283 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tot Ion	41	Resp	44798
Ion	Ratio	Lower	Upper
41	100		
67	72.7	59.7	89.5
39	55.5	42.2	63.2
52	29.1	24.4	36.6

Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

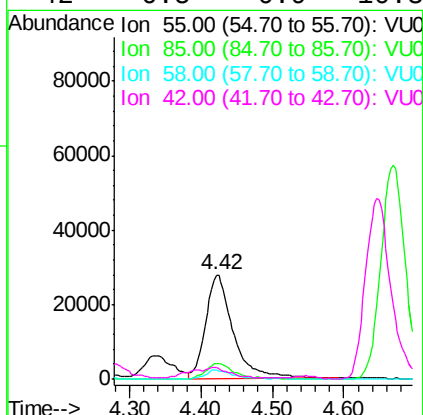
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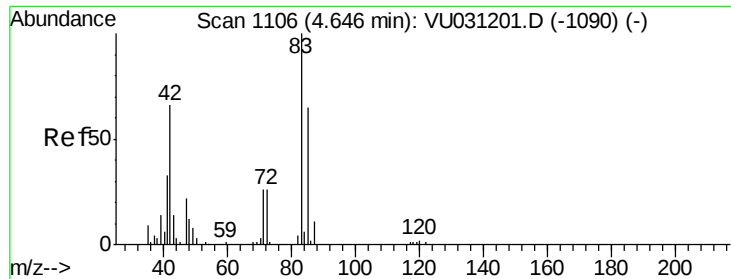
MMDadoda
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#40
Methyl acrylate
Concen: 11.887 ug/l
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion	55	Resp	74193
Ion	Ratio	Lower	Upper
55	100		
85	14.8	12.2	18.2
58	8.3	7.0	10.6
42	6.5	6.9	10.3





#41

Tetrahydrofuran

Concen: 59.632 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

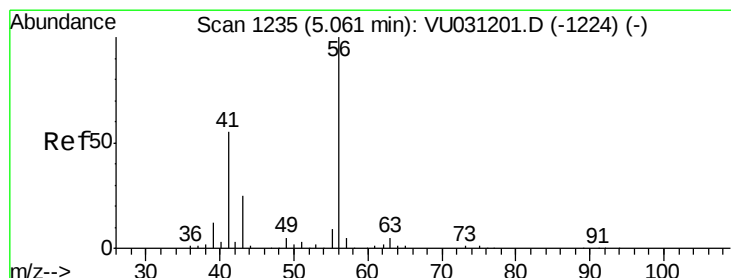
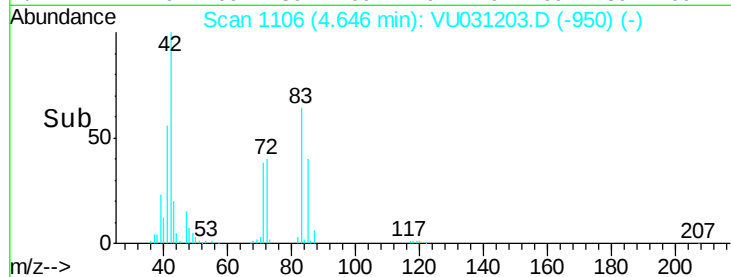
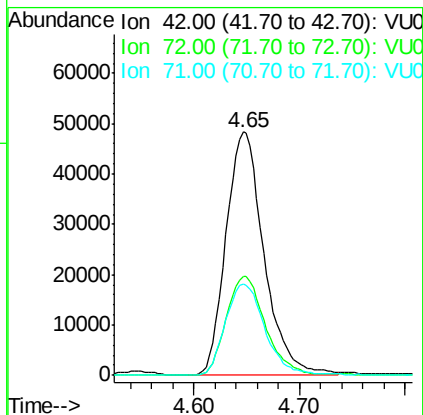
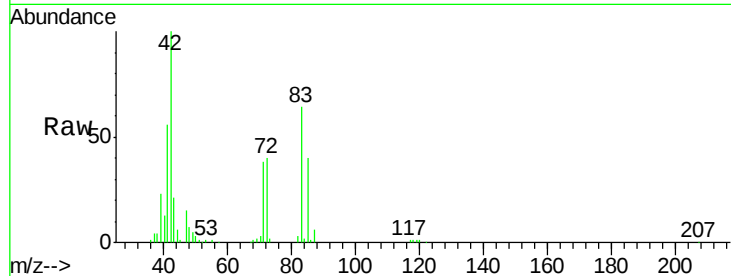
ClientSampleId :

ICVVU041519

Tot Ion:	42	Resp:	120908
Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.4	51.6
71	38.8	32.0	48.0

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#42

1-Chlorobutane

Concen: 11.188 ug/l

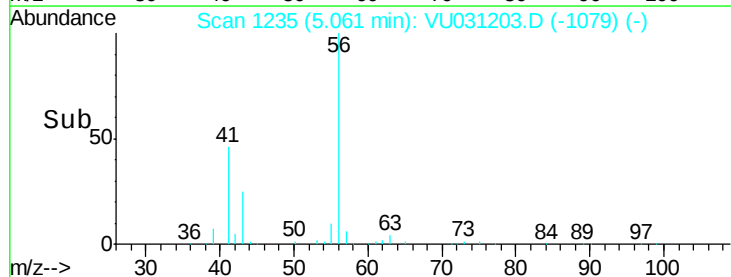
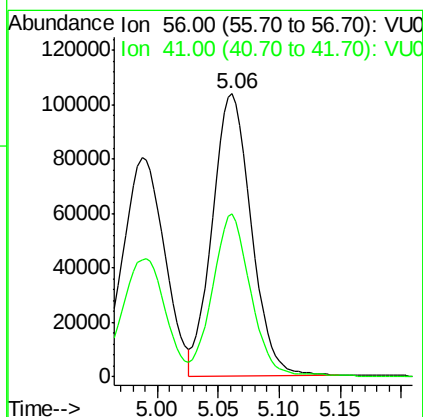
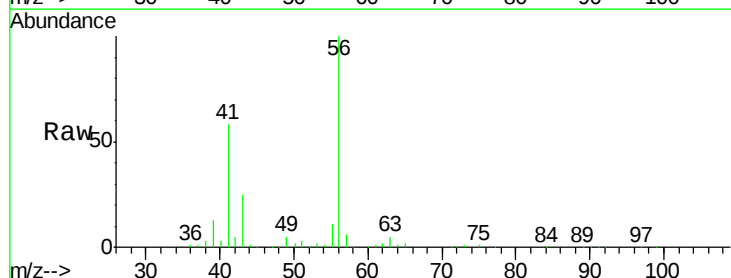
RT: 5.06 min Scan# 1235

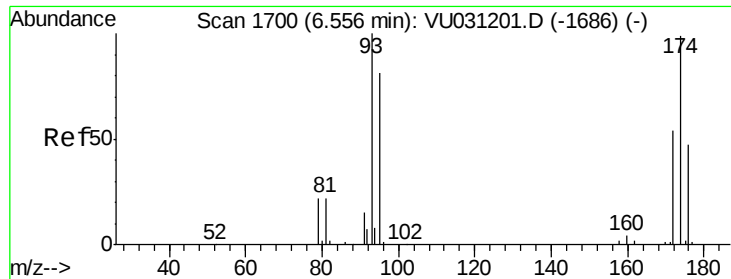
Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Tgt Ion:	56	Resp:	230524
Ion	Ratio	Lower	Upper
56	100		
41	54.3	27.3	81.9





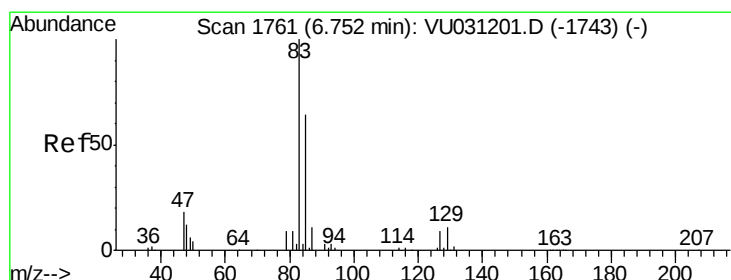
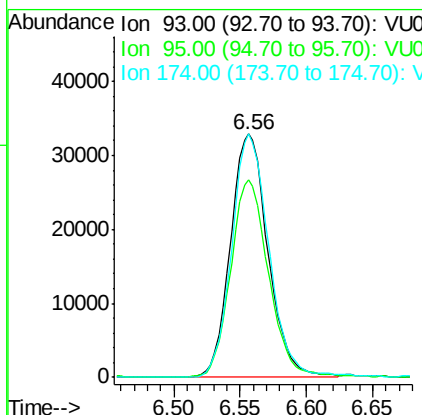
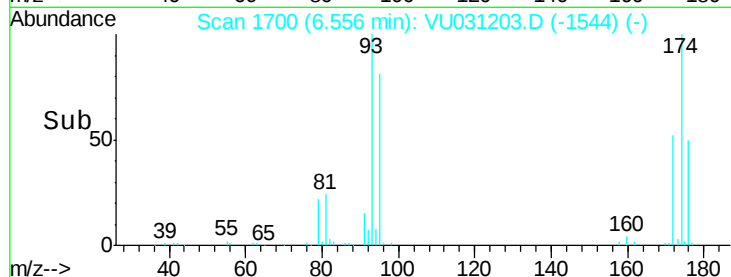
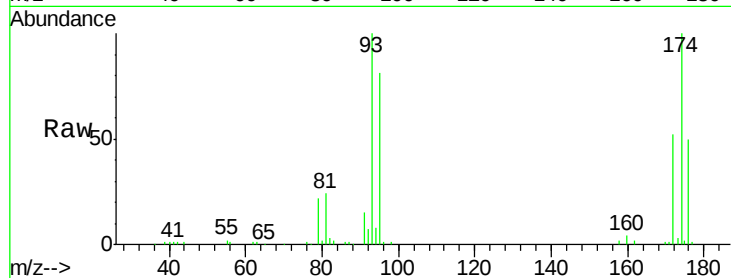
#43
 Dibromomethane
 Concen: 10.486 ug/l
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

Tot Ion	93	Resp	64680
Ion Ratio	100	Lower	Upper
93	100		
95	82.5	67.4	101.0
174	98.8	79.1	118.7

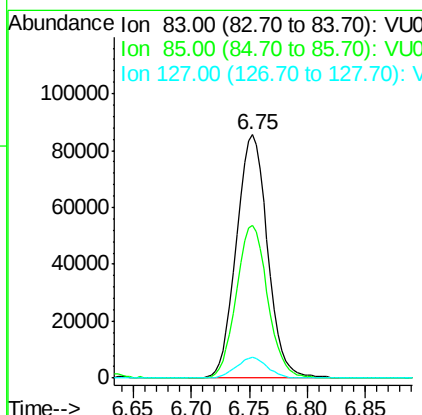
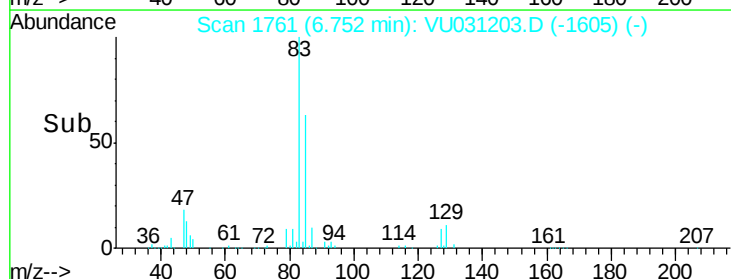
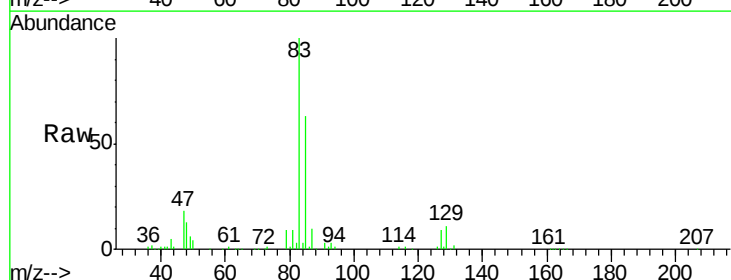
Manual Integrations
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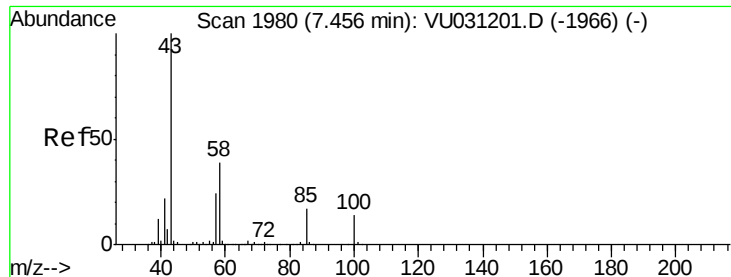
MMDadoda
 4/16/2019 3:23:38 PM



#44
 Bromodichloromethane
 Concen: 10.794 ug/l
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion	83	Resp	160441
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	51.0	76.6
127	8.5	7.4	11.0





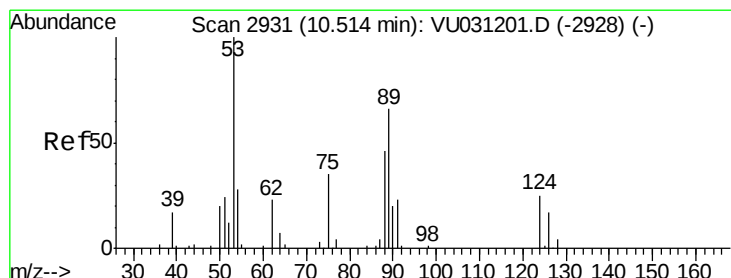
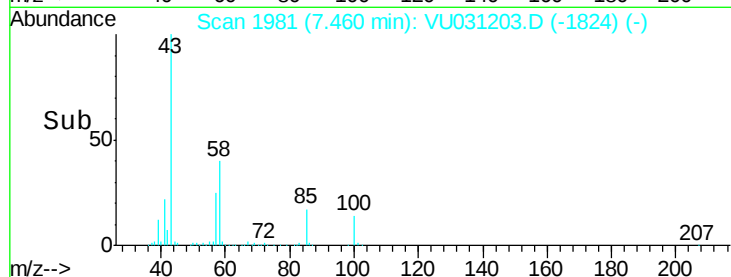
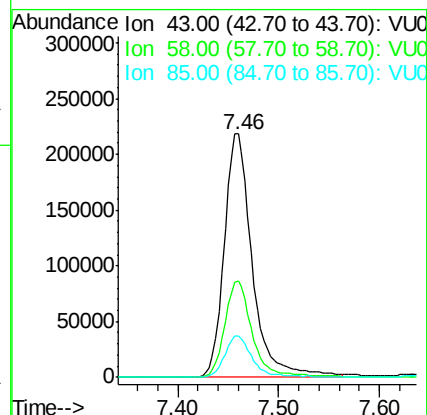
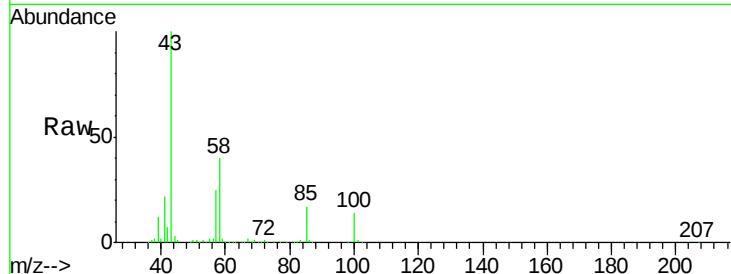
#45
4-Methyl-2-Pentanone
Concen: 58.417 ug/l
RT: 7.46 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

Tot Ion:	43	Resp:	425061
Ion	Ratio	Lower	Upper
43	100		
58	39.0	19.4	58.2
85	16.5	13.2	19.8

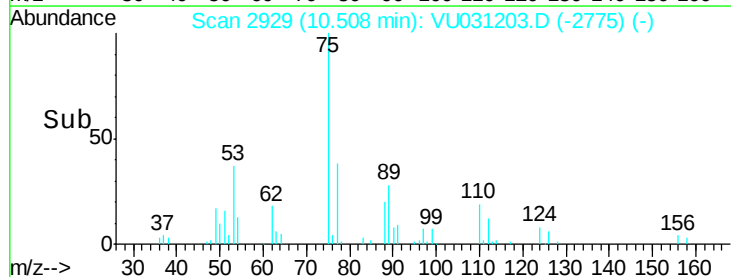
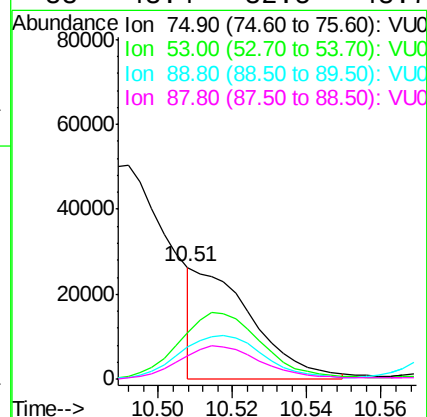
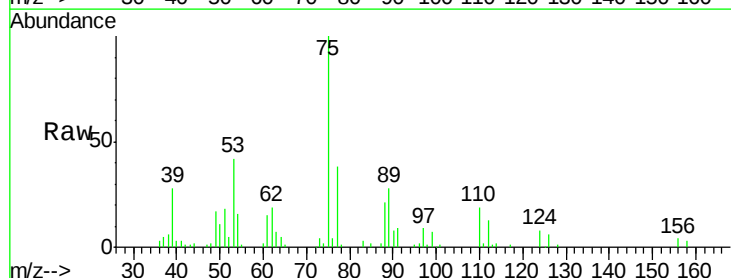
Manual Integrations
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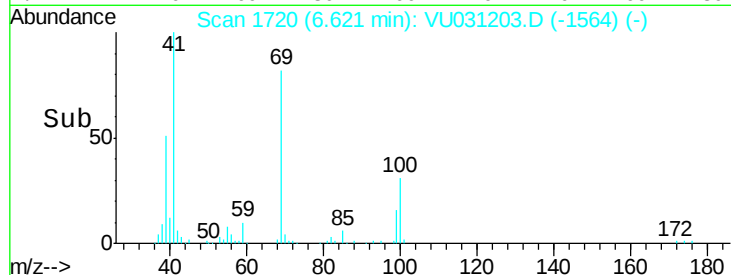
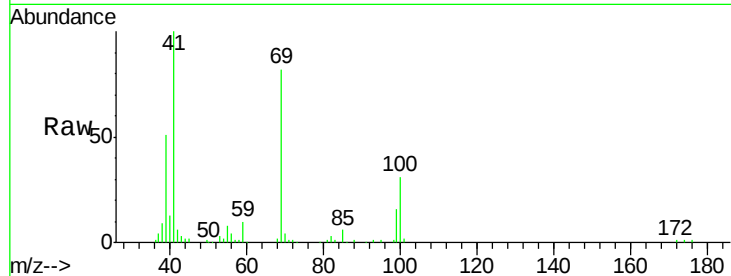
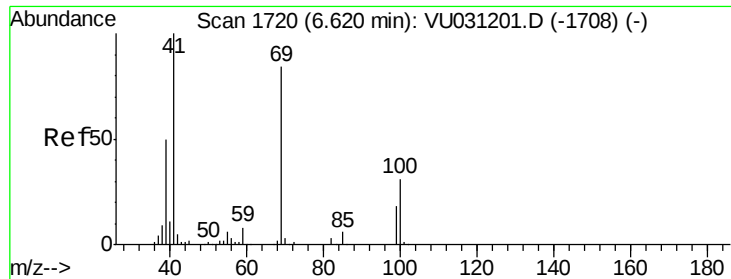
MMDadoda
4/16/2019 3:23:38 PM



#46
t-1,4-Dichloro-2-butene
Concen: 10.158 ug/l m
RT: 10.51 min Scan# 2929
Delta R.T. -0.01 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion:	75	Resp:	28175
Ion	Ratio	Lower	Upper
75	100		
53	87.3	65.2	97.8
89	58.2	43.0	64.4
88	43.4	32.5	48.7





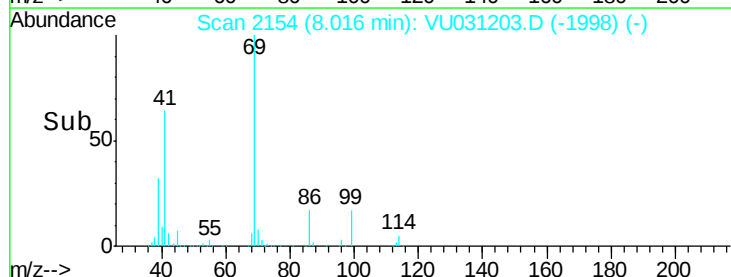
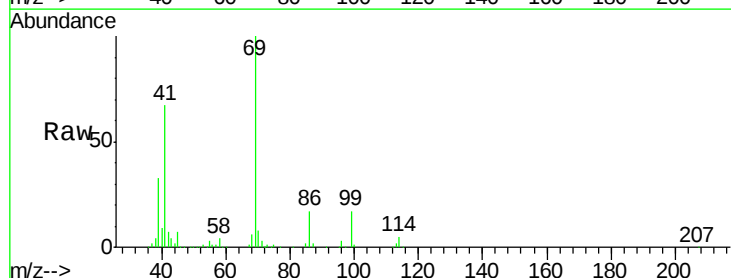
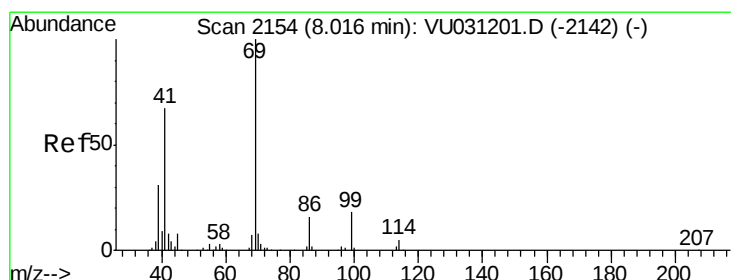
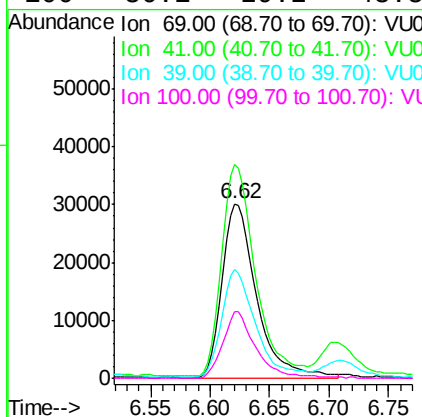
#47
Methvl methacrylate
Concen: 11.681 ug/l
RT: 6.62 min Scan# 1720
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		60808		
41	117.9	0.0	237.2		
39	60.4	47.4	71.2		
100	36.1	29.2	43.8		

Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

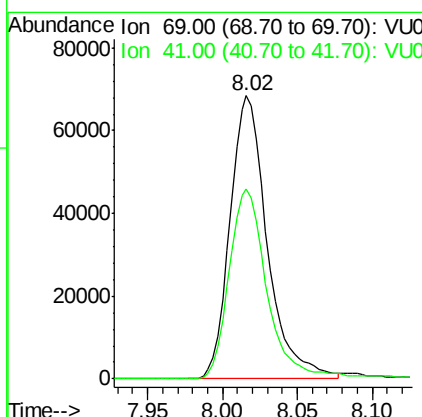
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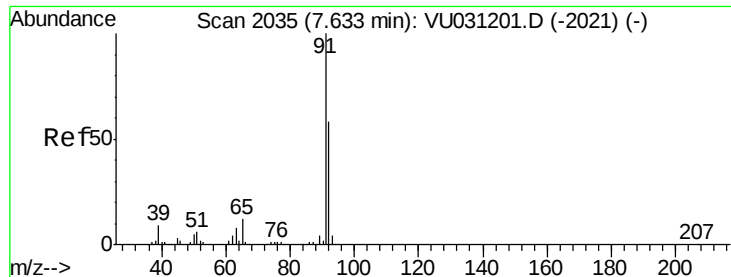
MMDadoda
4/16/2019 3:23:38 PM



#48
Ethyl methacrylate
Concen: 10.474 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		118689		
41	68.2	32.5	97.5		





#49

Toluene

Concen: 11.803 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tot Ion: 92 Resp: 278898

Ion Ratio Lower Upper

92 100

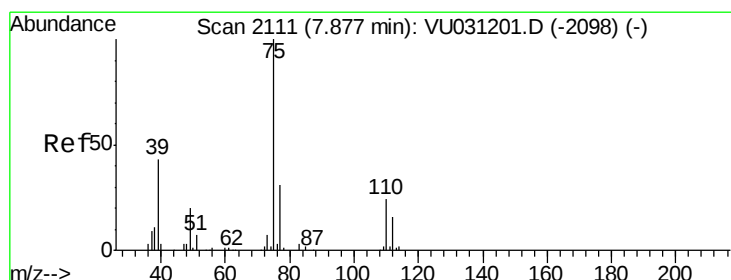
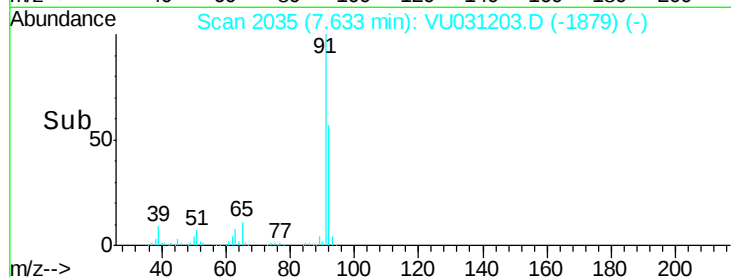
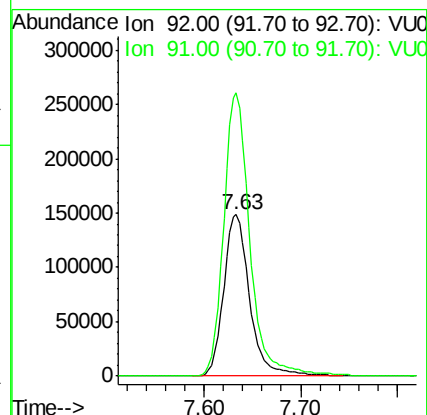
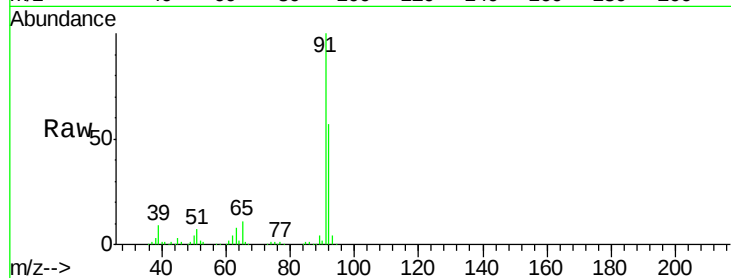
91 176.0 140.2 210.4

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#50

t-1,3-Dichloropropene

Concen: 11.874 ug/l

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU031203.D

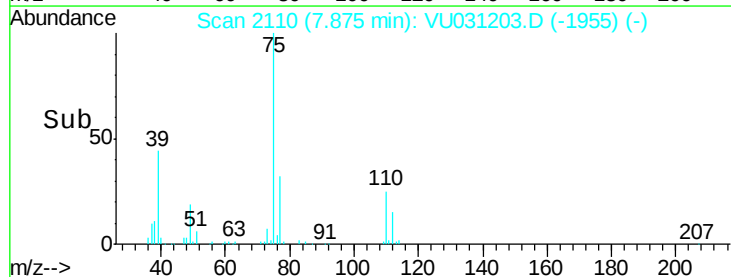
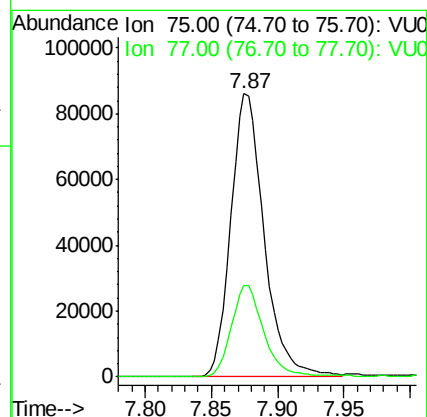
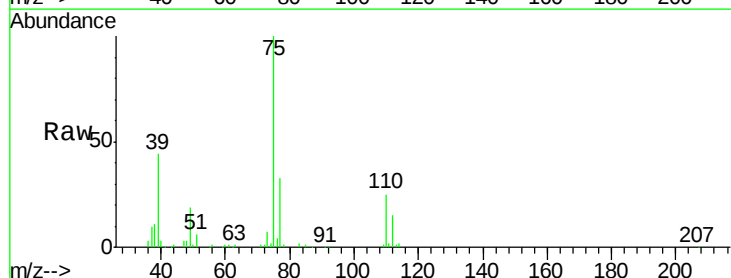
Acq: 15 Apr 2019 23:40

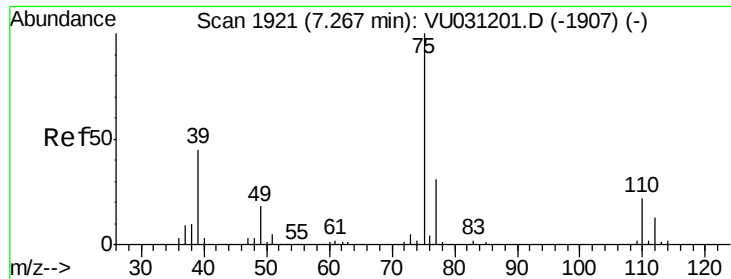
Tgt Ion: 75 Resp: 150505

Ion Ratio Lower Upper

75 100

77 32.5 24.6 37.0





#51

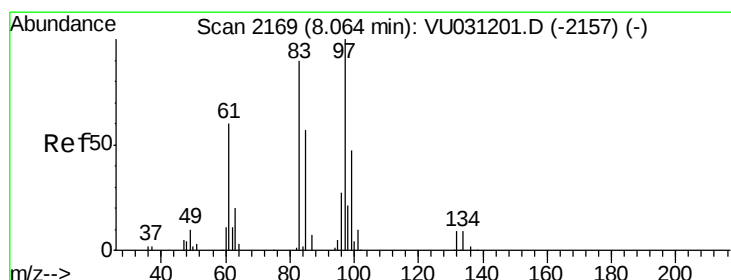
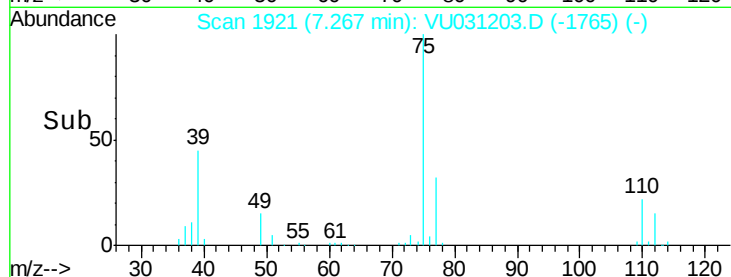
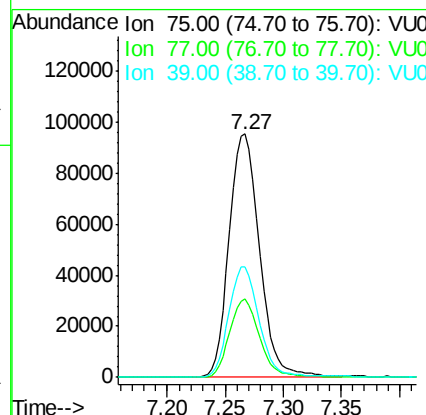
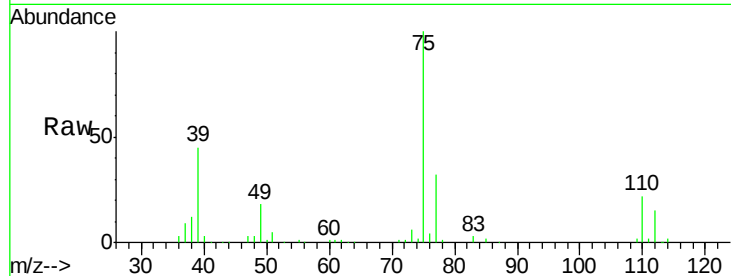
cis-1,3-Dichloropropene
Concen: 11.583 ug/l
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	37.0
39	45.5	36.1	54.1

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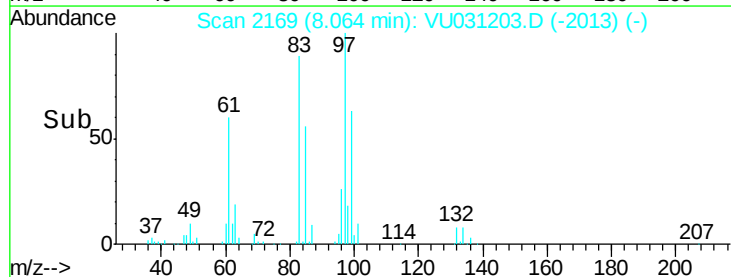
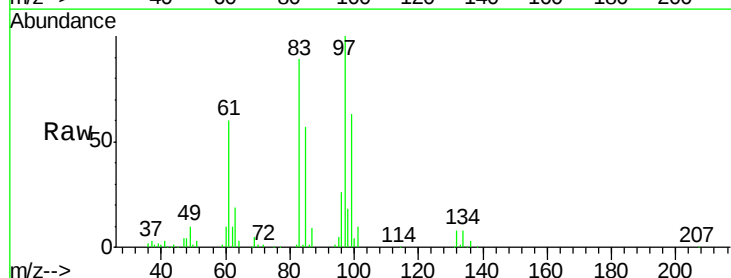
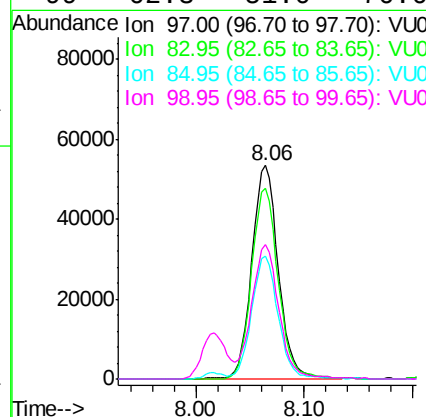
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4/16/2019 3:23:38 PM

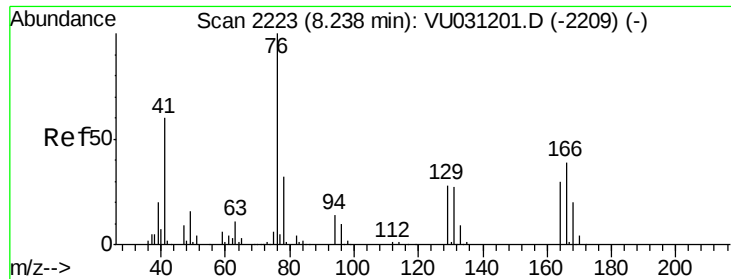


#52

1,1,2-Trichloroethane
Concen: 11.007 ug/l
RT: 8.06 min Scan# 2169
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.5	107.3
85	57.0	46.7	70.1
99	62.3	51.0	76.6





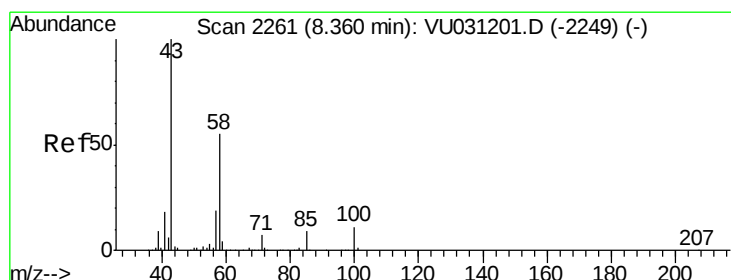
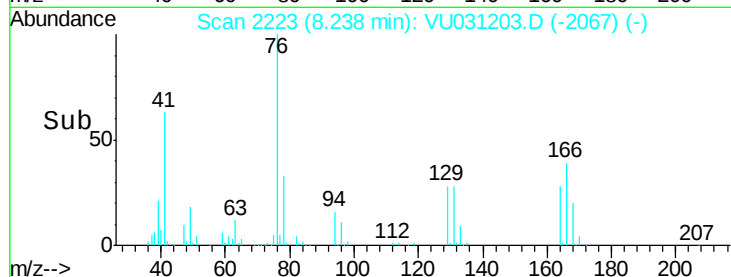
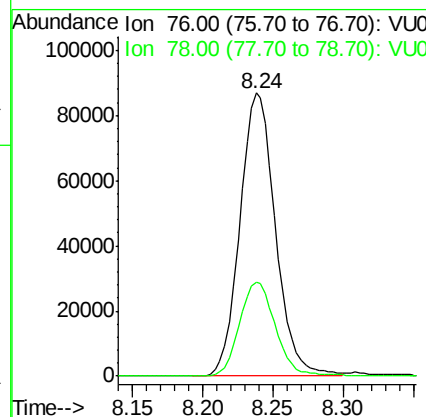
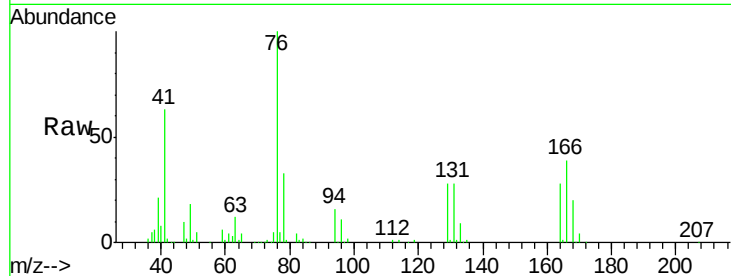
#53
 1,3-Dichloropropane
 Concen: 10.862 ug/l
 RT: 8.24 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

Tot Ion: 76 Resp: 153471
 Ion Ratio Lower Upper
 76 100
 78 33.6 25.3 37.9

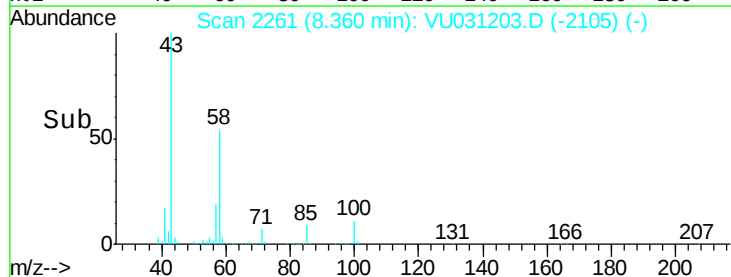
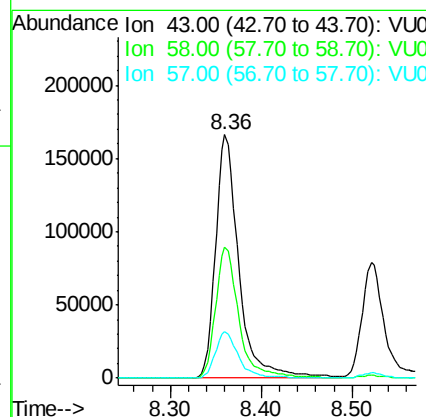
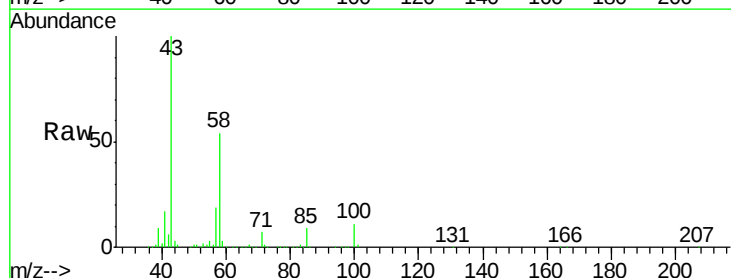
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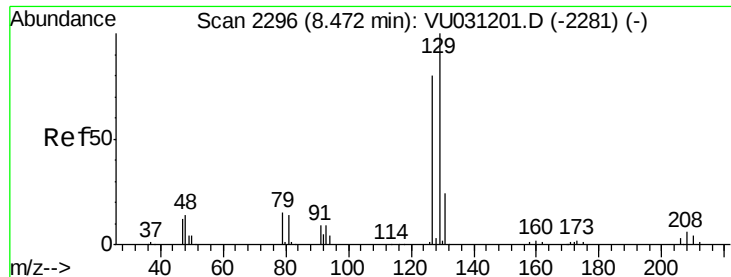
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 4/16/2019 3:23:38 PM



#54
 2-Hexanone
 Concen: 60.297 ug/l
 RT: 8.36 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion: 43 Resp: 296103
 Ion Ratio Lower Upper
 43 100
 58 54.1 35.5 75.5
 57 19.0 0.0 38.7





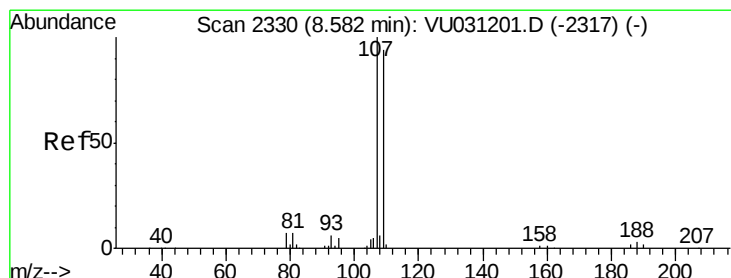
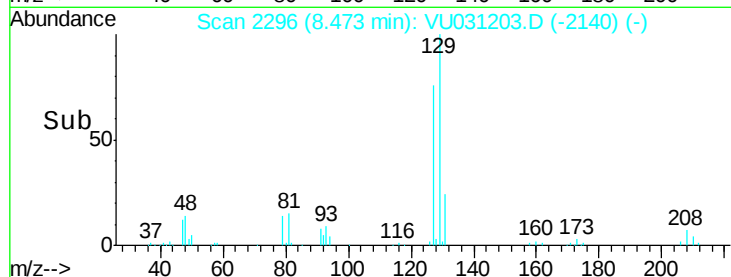
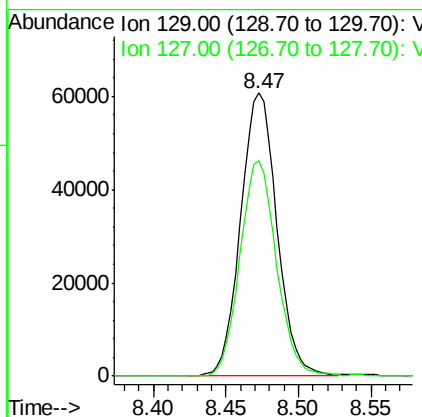
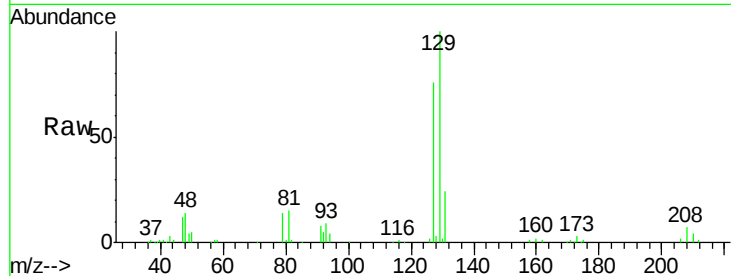
#55
Dibromochloromethane
Concen: 10.730 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.5	62.2	93.2

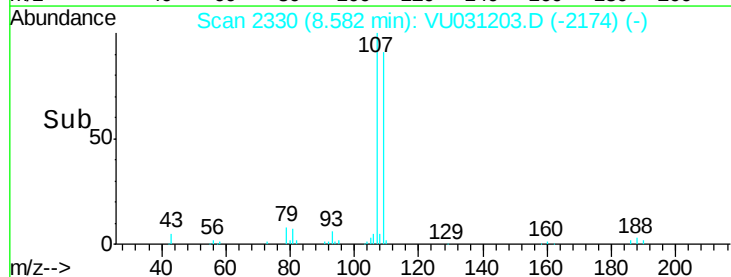
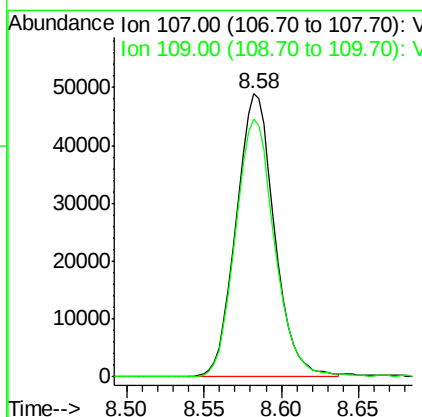
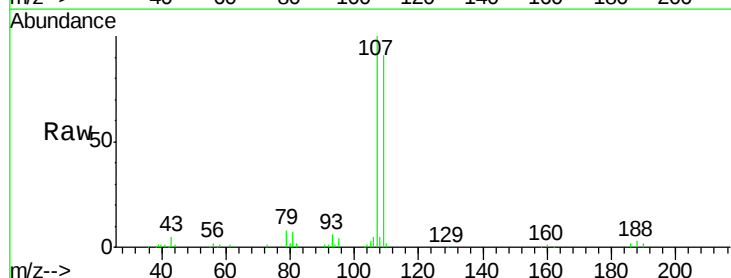
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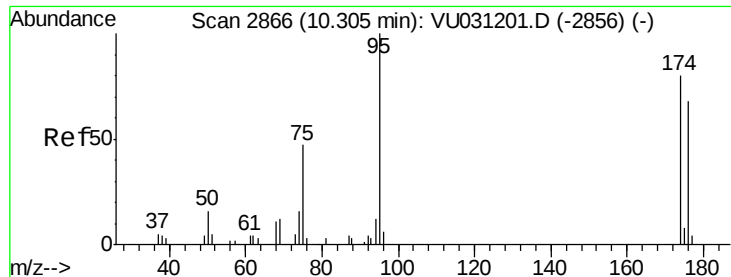
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4/16/2019 3:23:38 PM



#56
1,2-Dibromoethane
Concen: 10.885 ug/l
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.4	0.0	189.0





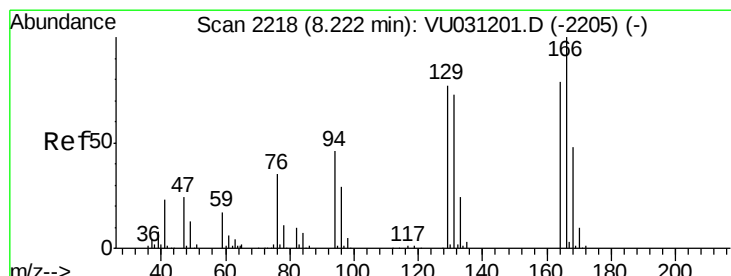
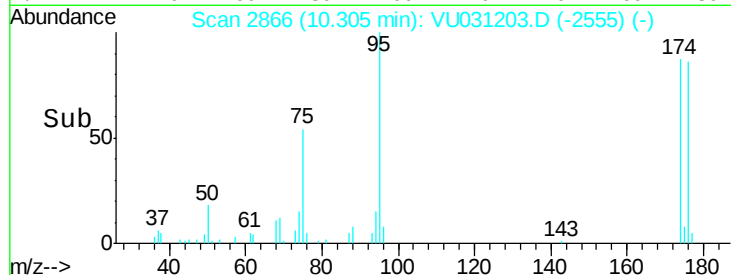
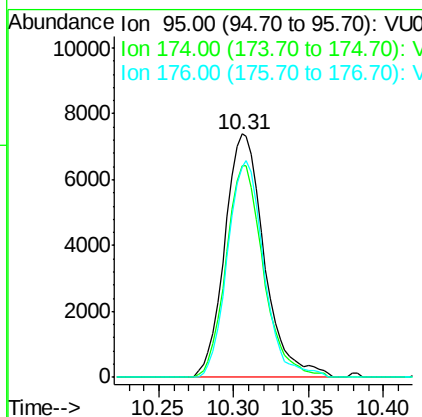
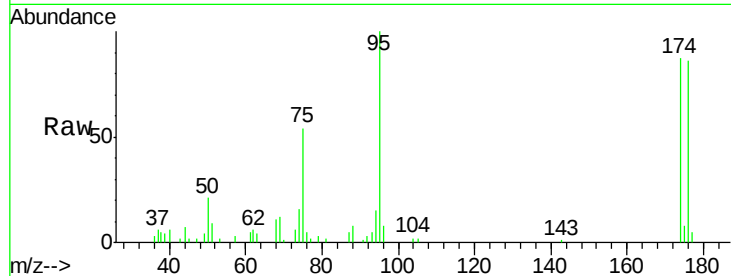
#57
4-Bromofluorobenzene
Concen: 10.885 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

Tot Ion	Ratio	Resp	Lower	Upper
95	100	13606		
174	82.4	64.2	96.2	
176	81.8	58.0	87.0	

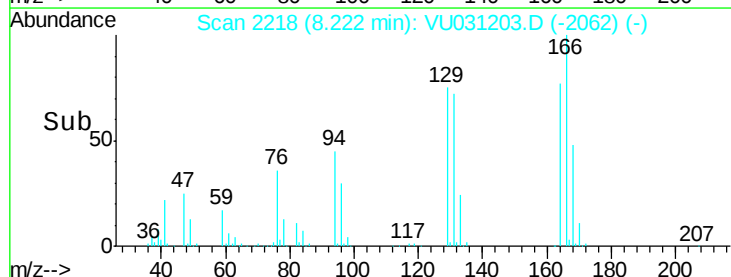
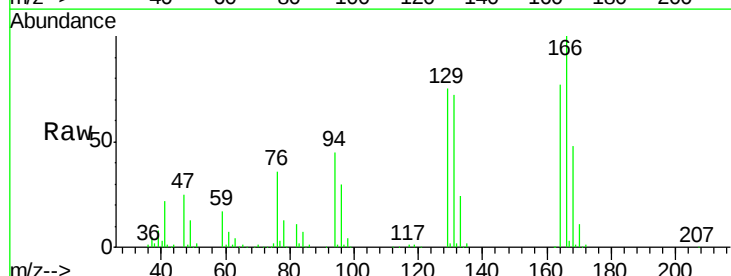
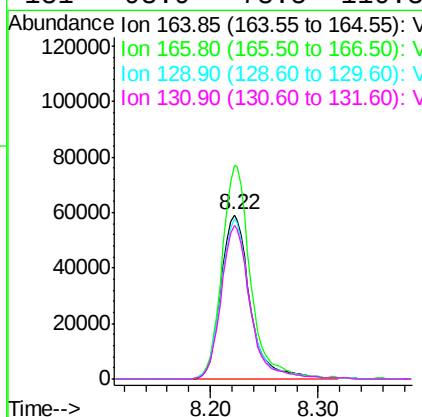
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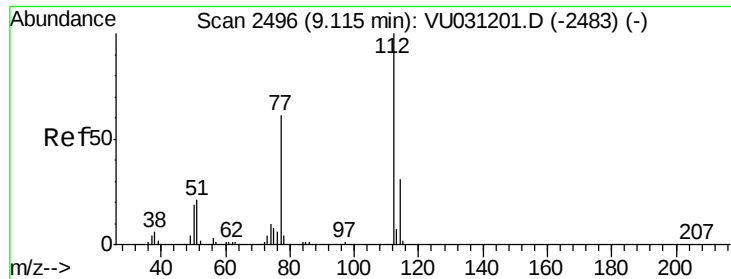
MMDadoda
4/16/2019 3:23:38 PM



#58
Tetrachloroethene
Concen: 10.844 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	111310		
166	130.1	100.9	151.3	
129	97.4	77.6	116.4	
131	93.9	73.5	110.3	





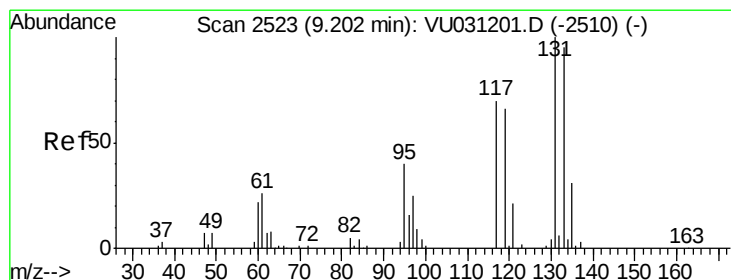
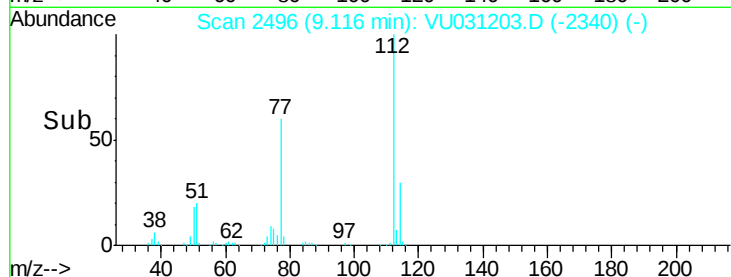
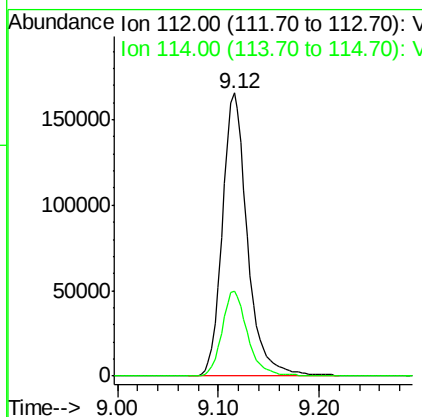
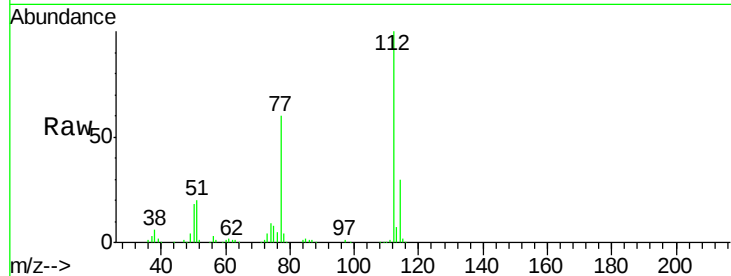
#59
Chlorobenzene
Concen: 10.996 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

Tot Ion	Ratio	Resp	Lower	Upper
112	100	288567		
114	30.0	24.4	36.6	

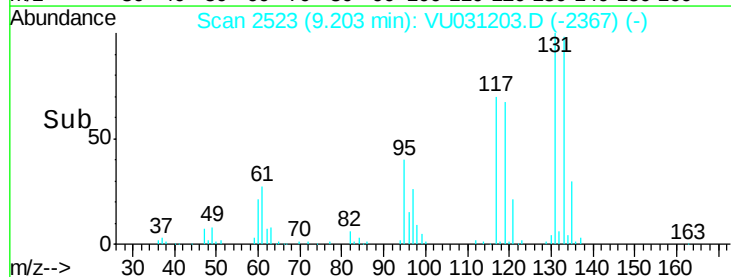
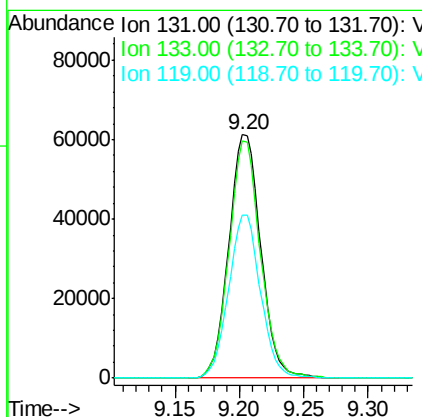
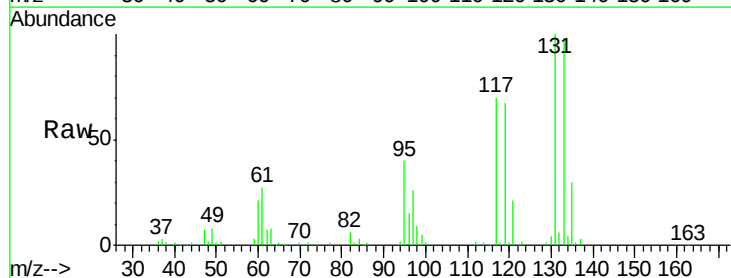
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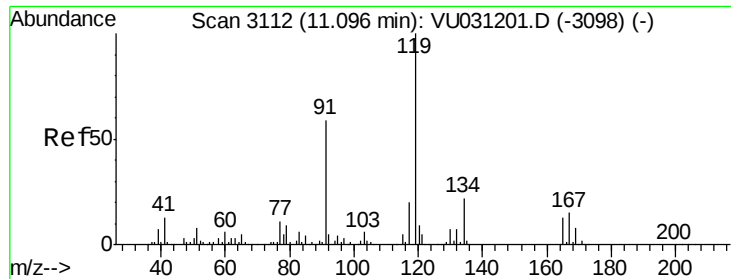
MMDadoda
4/16/2019 3:23:38 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.737 ug/l
RT: 9.20 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	105611		
133	96.2	77.2	115.8	
119	66.9	51.4	77.2	





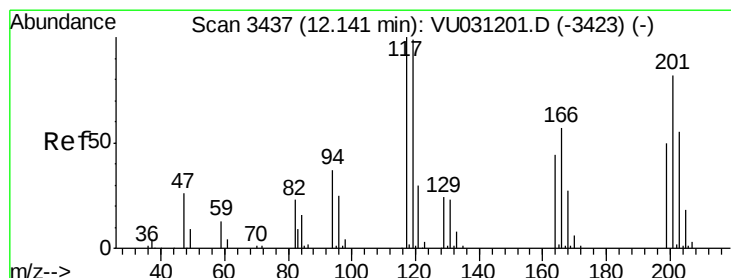
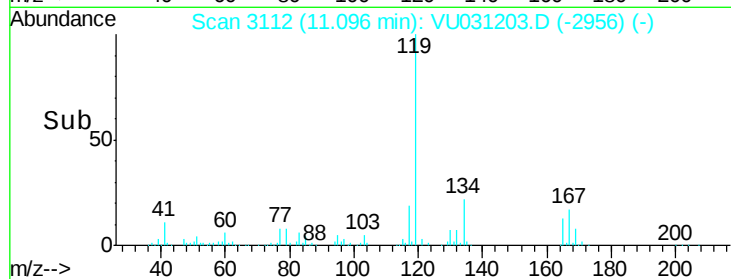
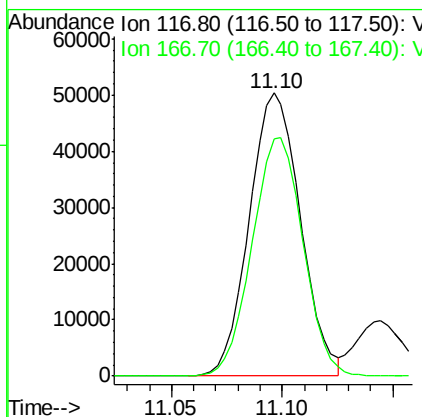
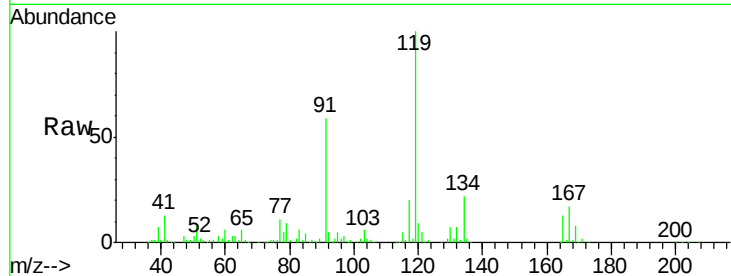
#61
 Pentachloroethane
 Concen: 10.589 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

Tot Ion:117 Resp: 81044
 Ion Ratio Lower Upper
 117 100
 167 84.0 63.1 94.7

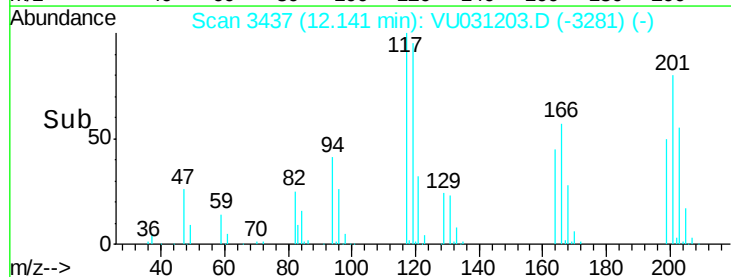
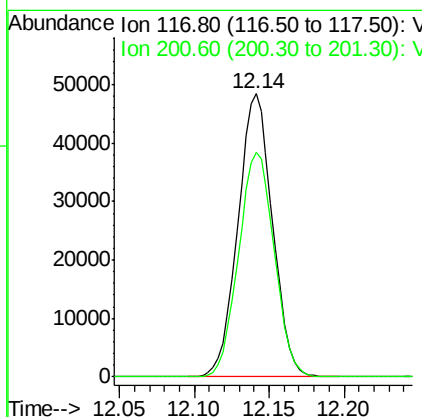
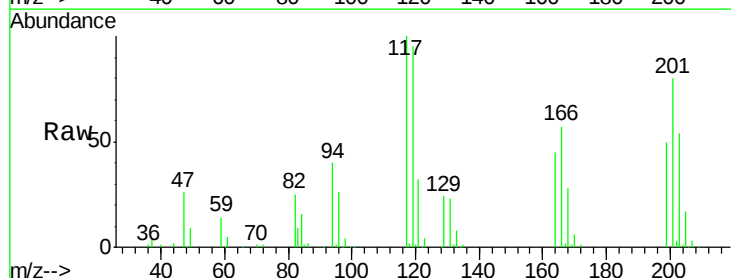
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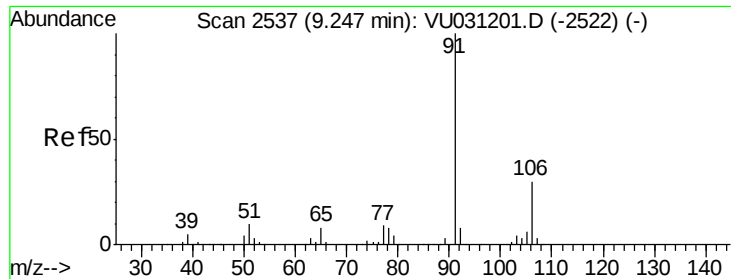
MMDadoda
 4/16/2019 3:23:38 PM



#62
 Hexachloroethane
 Concen: 10.512 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion:117 Resp: 77766
 Ion Ratio Lower Upper
 117 100
 201 81.9 63.9 95.9





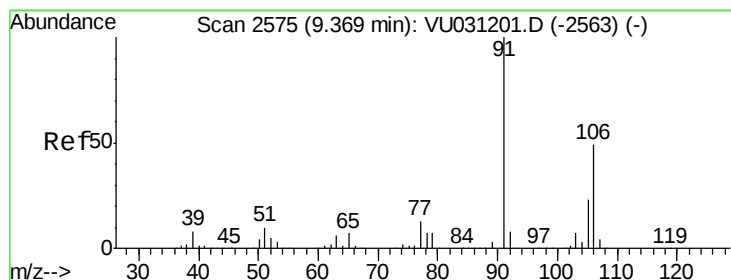
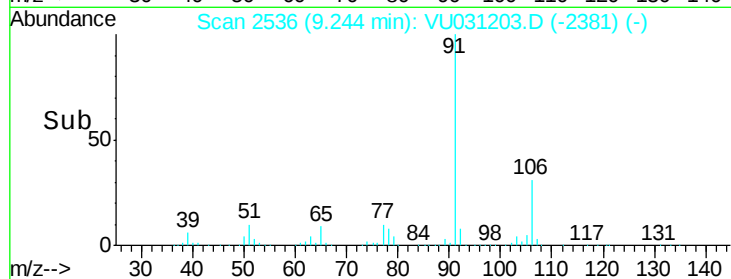
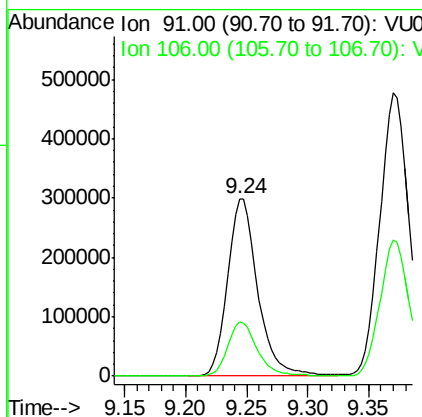
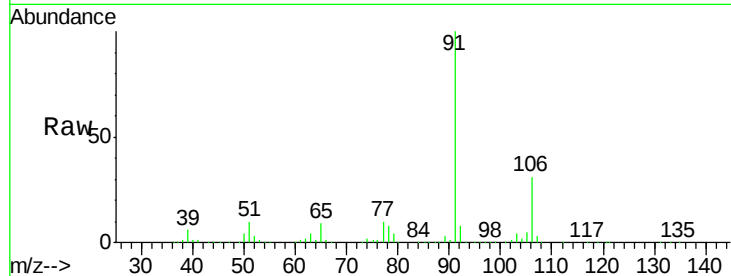
#63
Ethyl Benzene
Concen: 12.370 ug/l
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

Tot Ion: 91 Resp: 517931
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

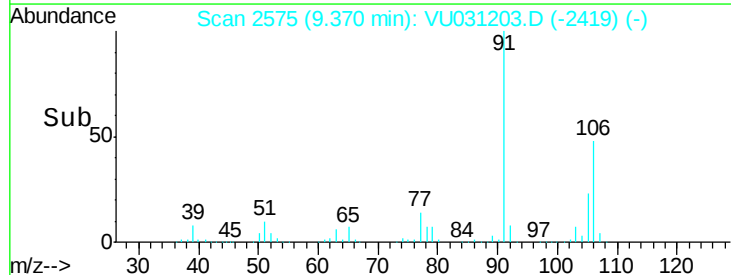
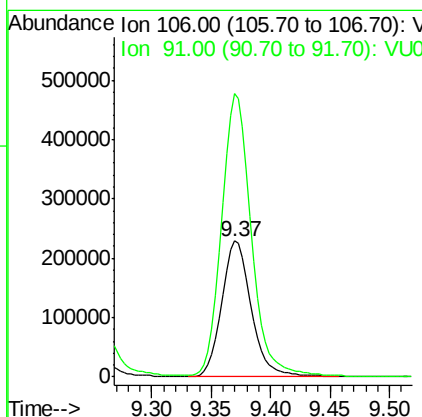
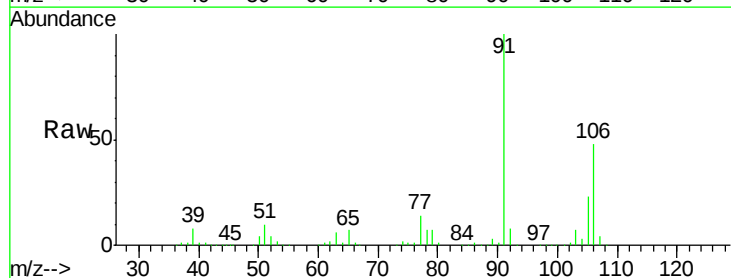
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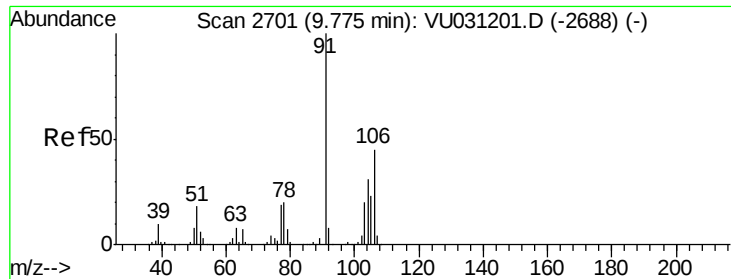
MMDadoda
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#64
m/p-Xylenes
Concen: 24.589 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion: 106 Resp: 392010
Ion Ratio Lower Upper
106 100
91 211.0 165.7 248.5





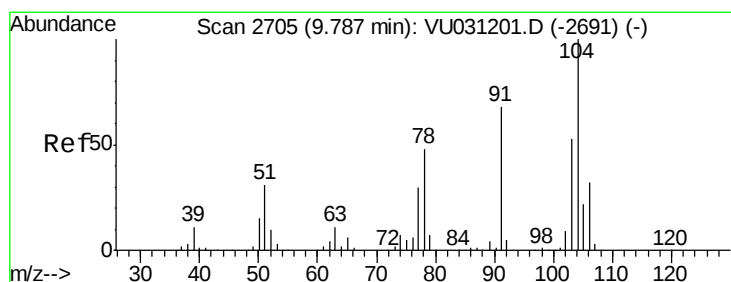
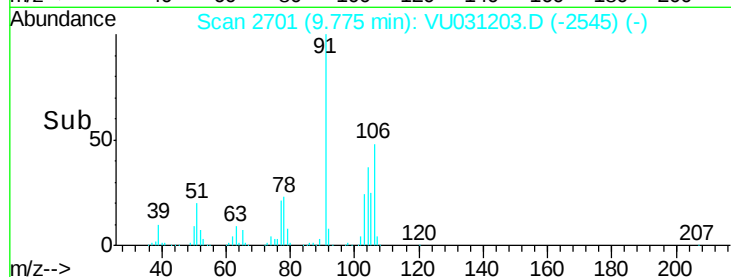
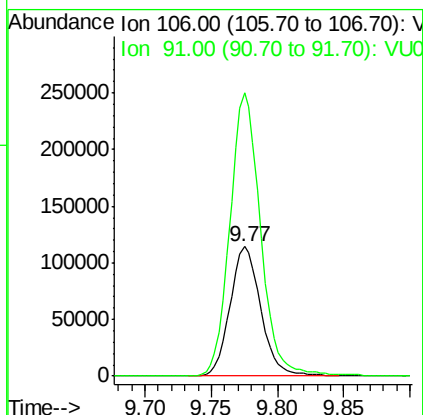
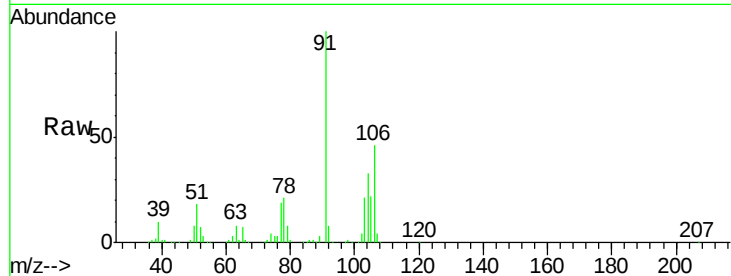
#65
o-Xylene
Concen: 12.115 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		184866		
91	218.1	111.3	333.8		

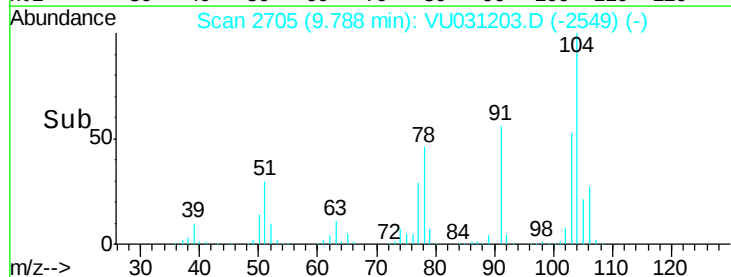
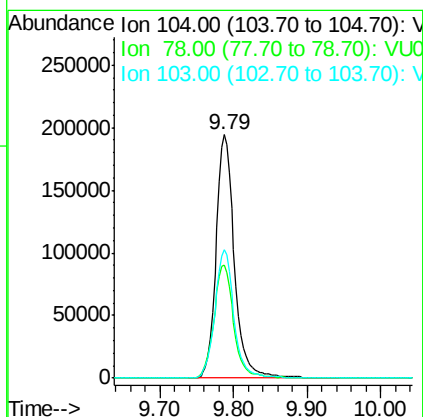
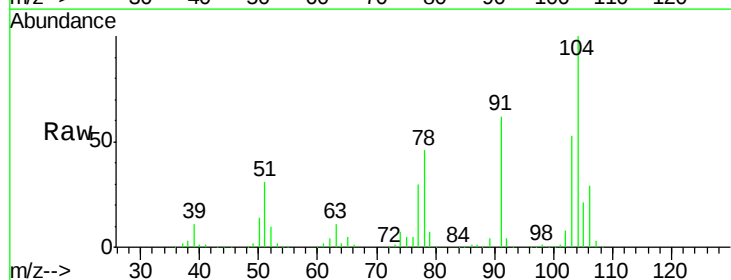
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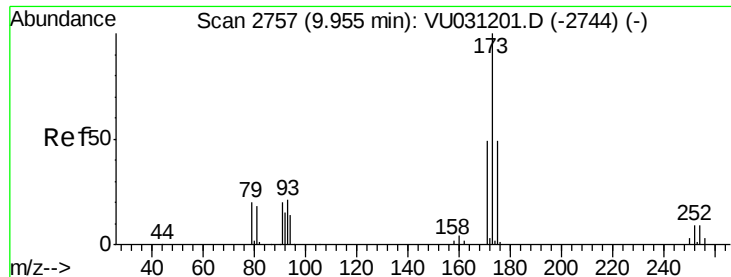
MMDadoda
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#66
Styrene
Concen: 10.831 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		333706		
78	50.1	41.4	62.0		
103	55.0	45.0	67.4		





#67

Bromoform

Concen: 10.972 ug/l

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

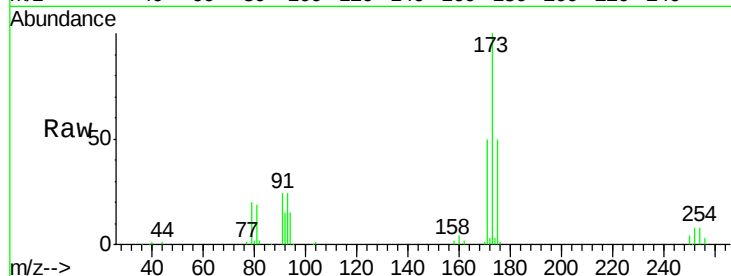
ClientSampleId :

ICVVU041519

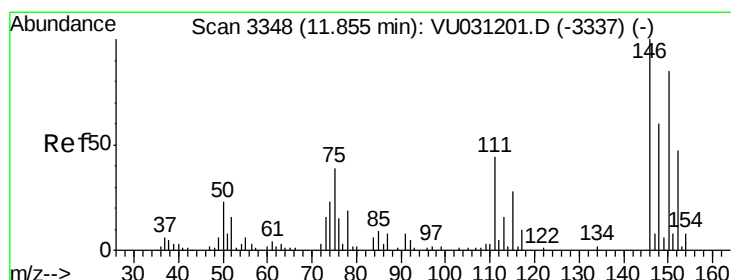
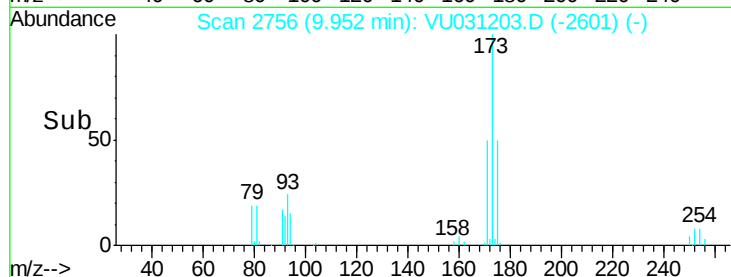
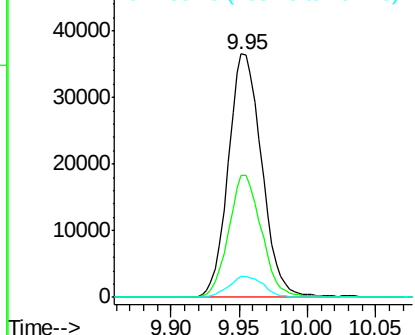
Tot Ion:	173	Resp:	62458
Ion Ratio	Lower	Upper	
173	100		
175	49.2	38.0	57.0
254	8.8	7.1	10.7

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



#68

1,2-Dichlorobenzene-d4

Concen: 10.972 ug/l

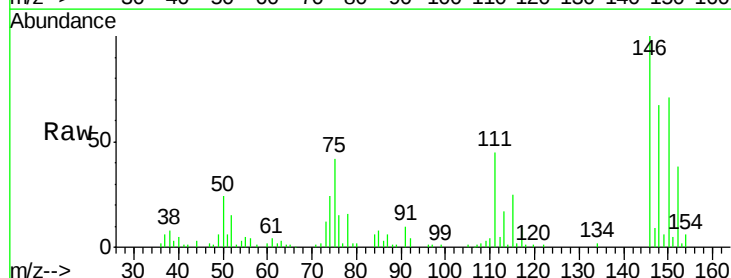
RT: 11.86 min Scan# 3348

Delta R.T. 0.00 min

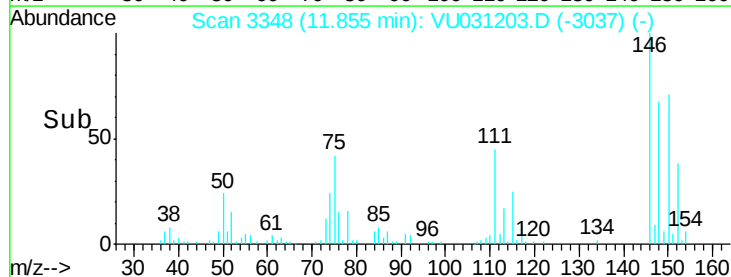
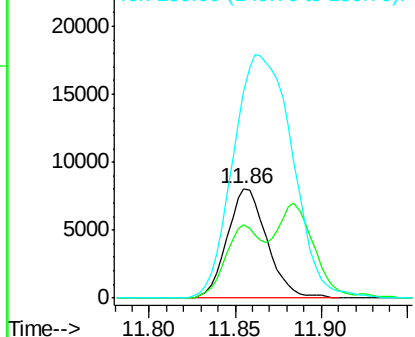
Lab File: VU031203.D

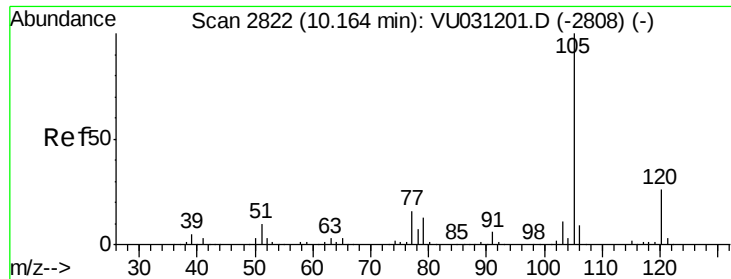
Acq: 15 Apr 2019 23:40

Tgt Ion:	152	Resp:	12900
Ion Ratio	Lower	Upper	
152	100		
115	61.8	0.0	130.0
150	332.7	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: 12.541 ug/l

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tot Ion:105 Resp: 512959

Ion Ratio Lower Upper

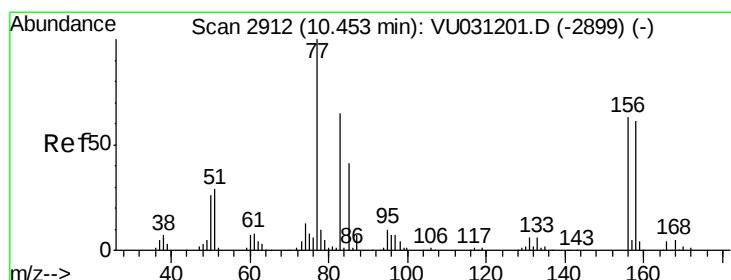
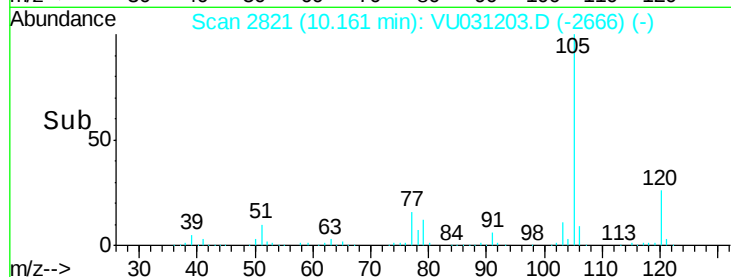
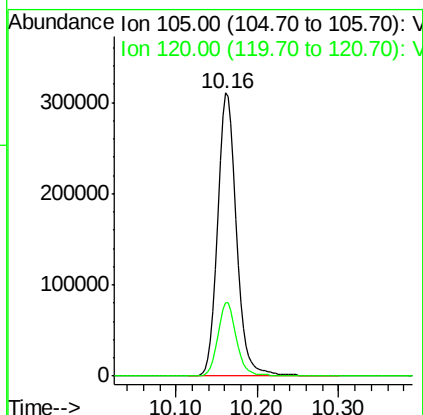
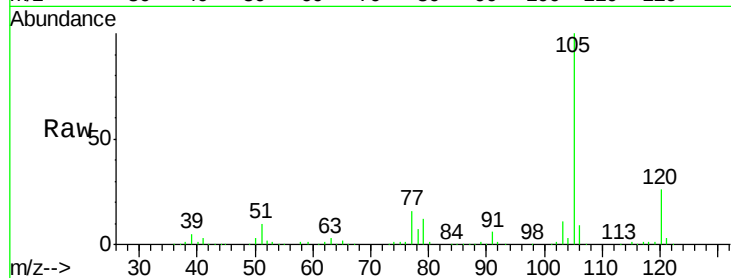
105 100

120 25.7 12.8 38.3

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#70

1,1,2,2-Tetrachloroethane

Concen: 10.326 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

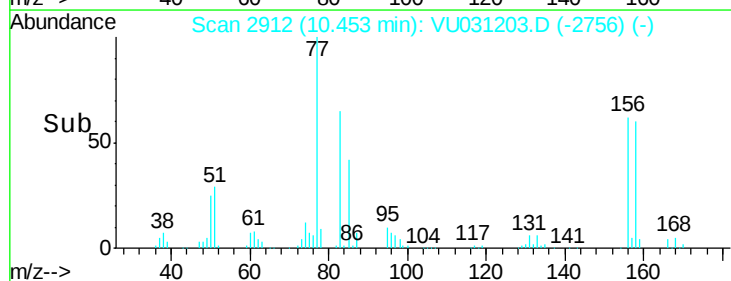
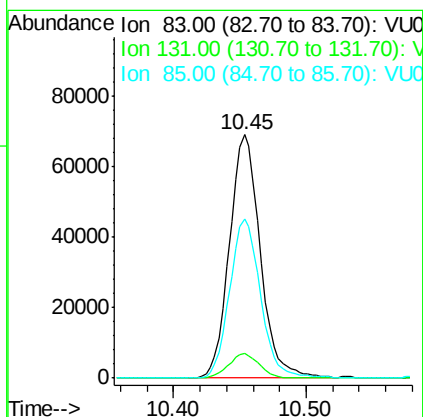
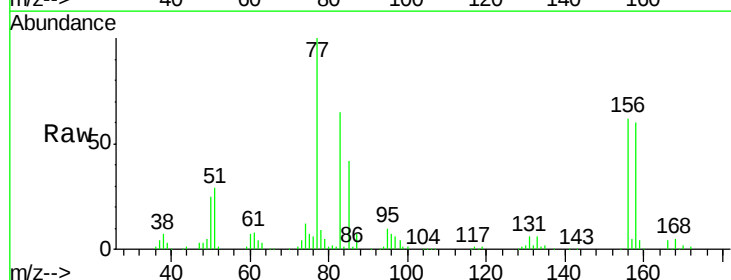
Tgt Ion: 83 Resp: 111471

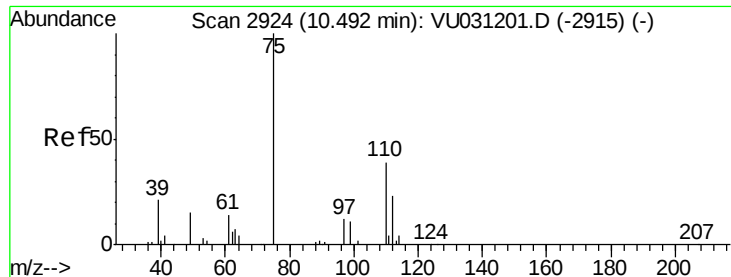
Ion Ratio Lower Upper

83 100

131 10.0 8.0 12.0

85 65.8 51.3 76.9





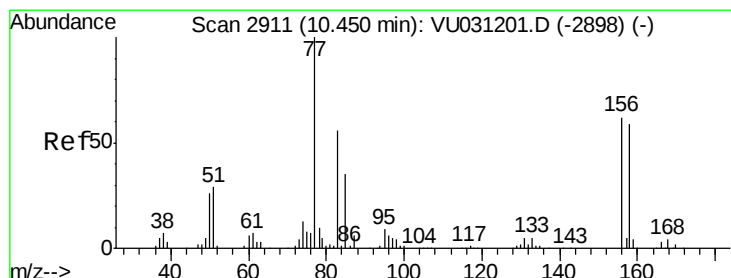
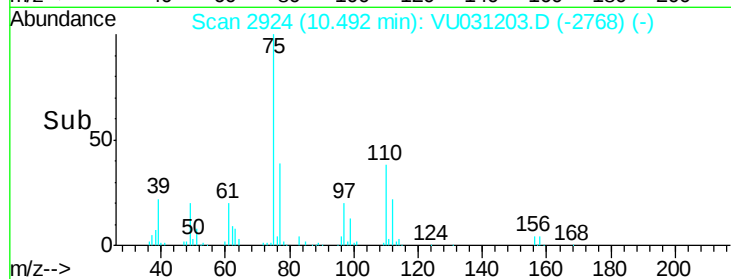
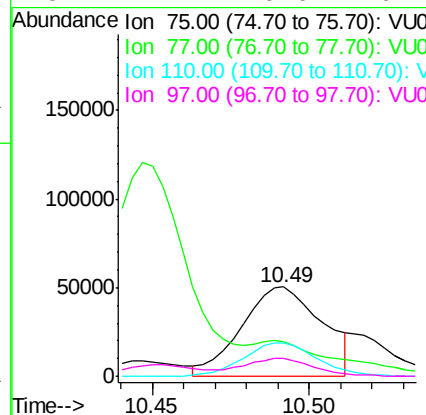
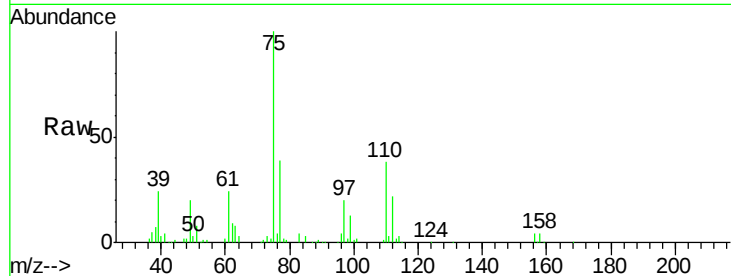
#71
 1,2,3-Trichloropropane
 Concen: 11.523 ug/l m
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

Tot Ion	75	Resp	89941
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	34.3	0.0	71.0
97	17.7	0.0	40.4

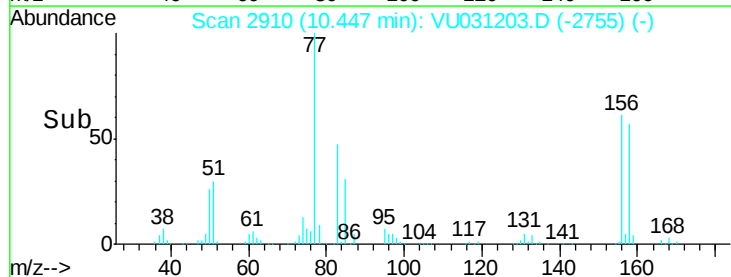
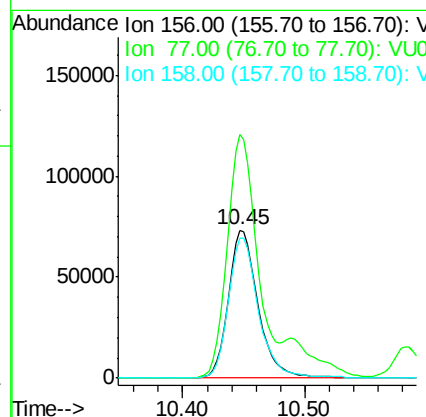
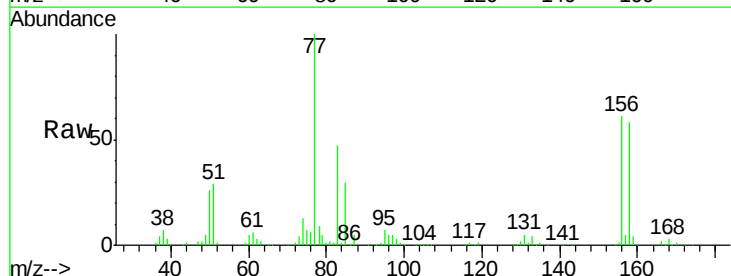
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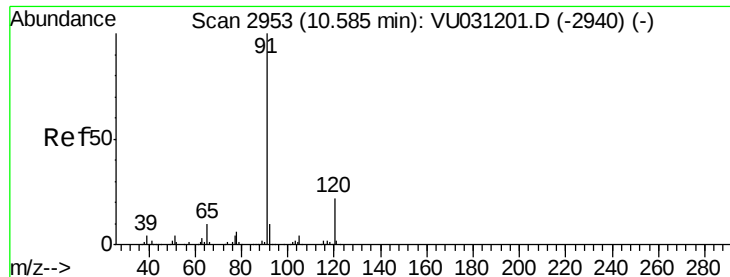
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#72
 Bromobenzene
 Concen: 11.551 ug/l
 RT: 10.45 min Scan# 2910
 Delta R.T. -0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion	156	Resp	125021
Ion	Ratio	Lower	Upper
156	100		
77	164.4	0.0	322.6
158	96.7	0.0	191.0





#73

n-propylbenzene

Concen: 12.405 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tot Ion:120 Resp: 135506

Ion Ratio Lower Upper

120 100

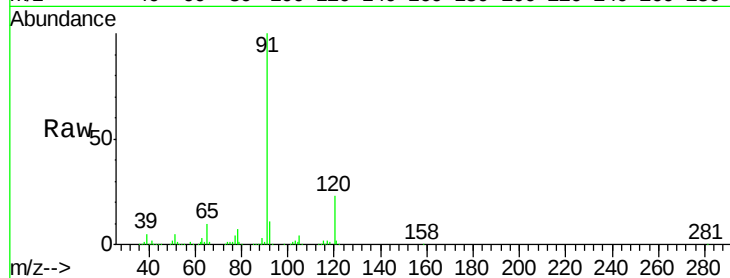
91 448.6 364.9 547.3

Manual Integrations

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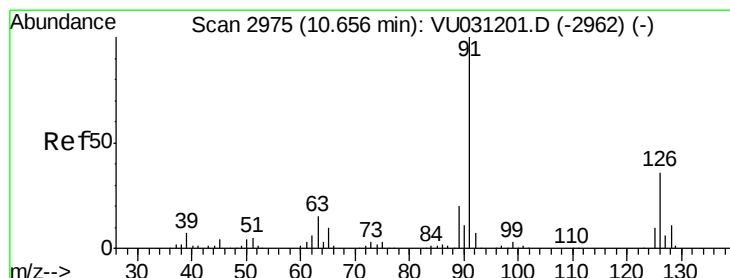
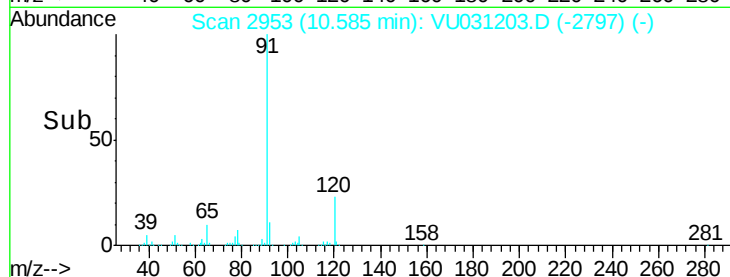
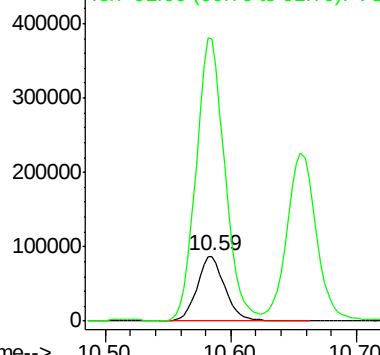
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 11.874 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU031203.D

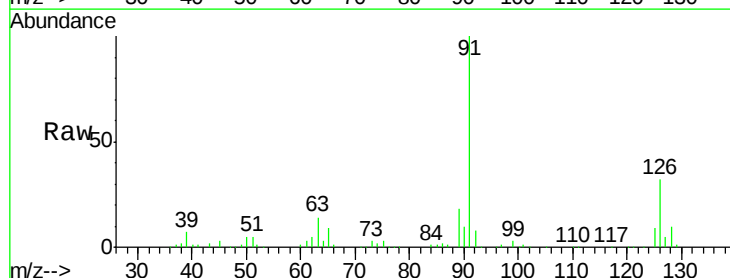
Acq: 15 Apr 2019 23:40

Tgt Ion:126 Resp: 119610

Ion Ratio Lower Upper

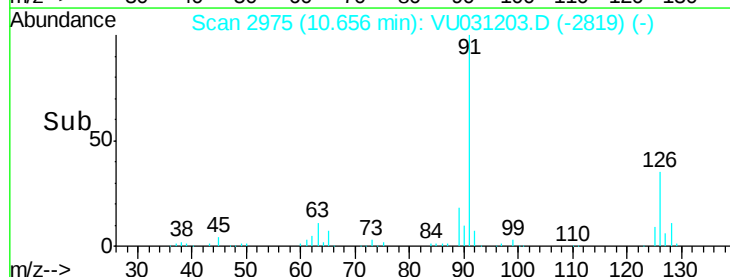
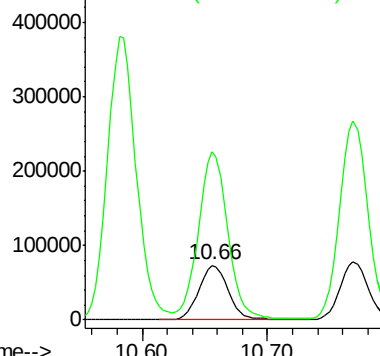
126 100

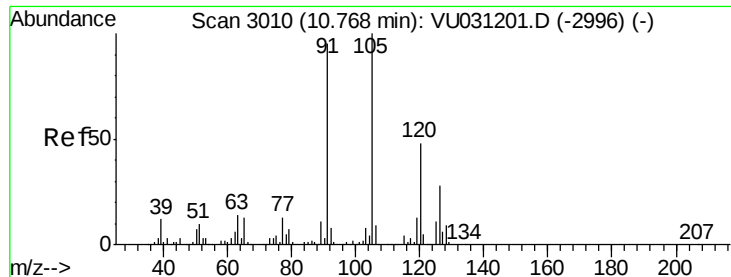
91 309.9 0.0 612.6



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: 12.783 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tot Ion:105 Resp: 442576

Ion Ratio Lower Upper

105 100

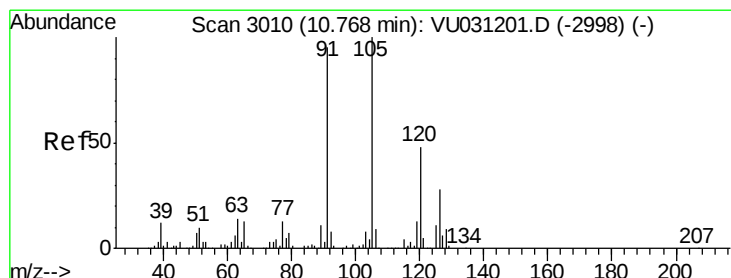
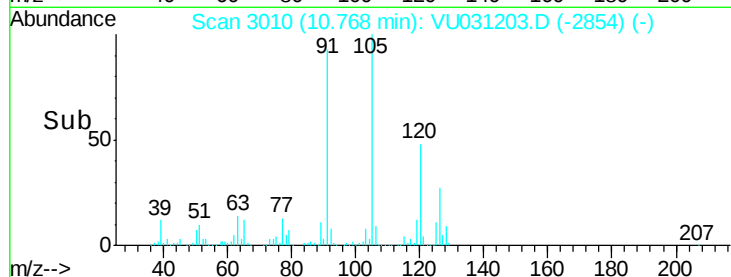
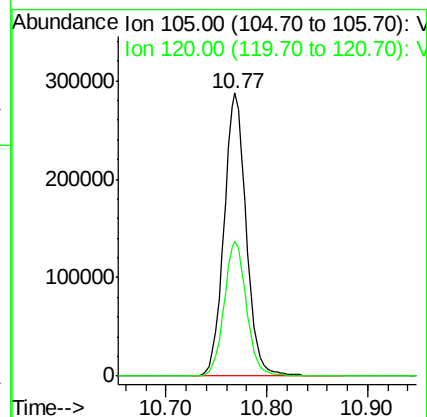
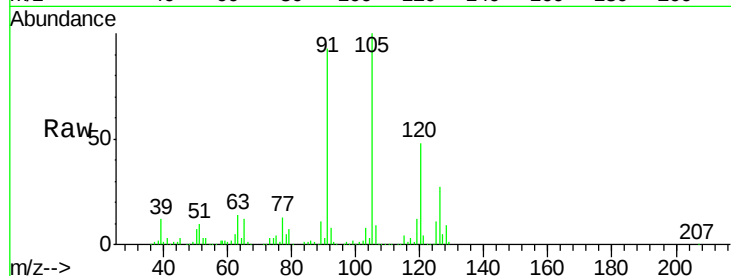
120 48.0 38.7 58.1

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#76

4-Chlorotoluene

Concen: 12.391 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031203.D

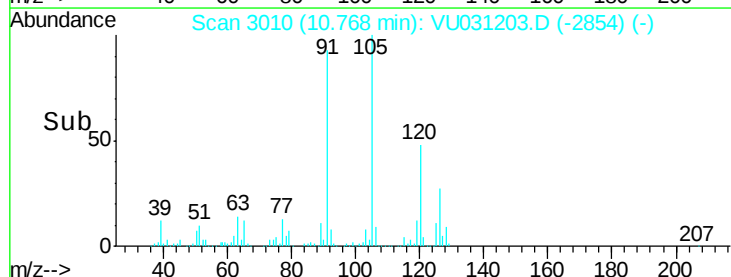
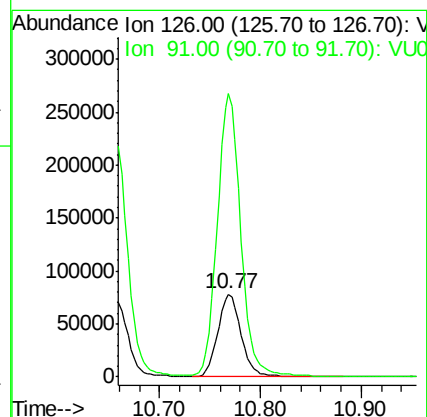
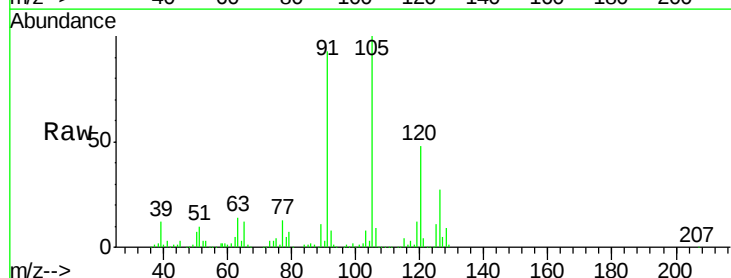
Acq: 15 Apr 2019 23:40

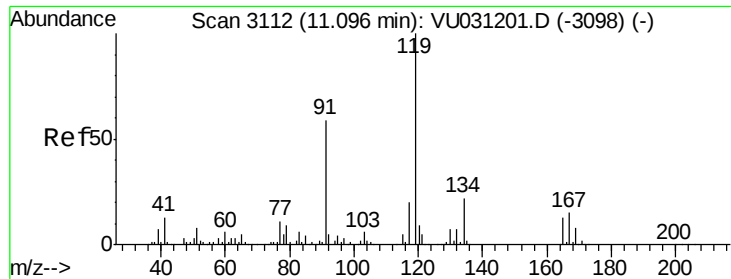
Tgt Ion:126 Resp: 125750

Ion Ratio Lower Upper

126 100

91 344.4 0.0 683.8





#77

tert-Butylbenzene

Concen: 11.784 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

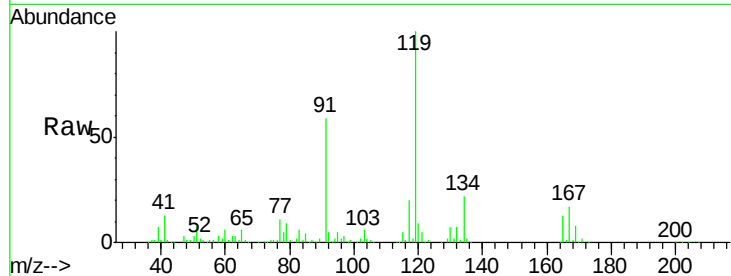
ClientSampleId :

ICVVU041519

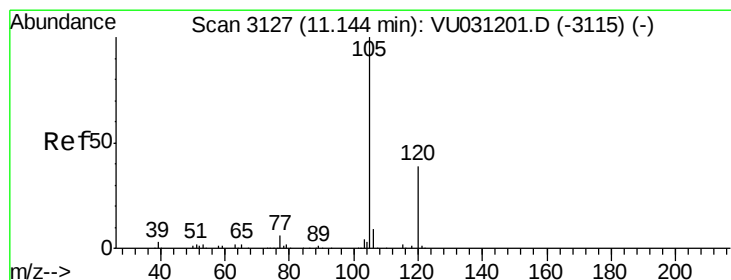
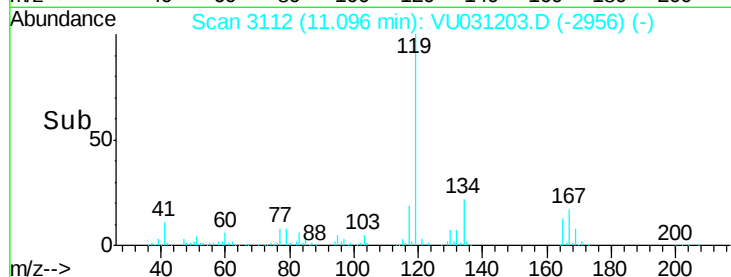
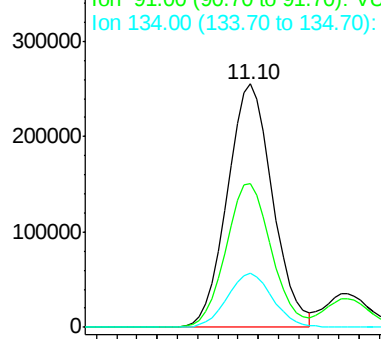
Tot Ion:	119	Resp:	399185
Ion Ratio	Lower	Upper	
119	100		
91	59.5	29.4	88.3
134	22.3	17.9	26.9

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Abundance Ion 119.00 (118.70 to 119.70): V



#78

1,2,4-Trimethylbenzene

Concen: 12.676 ug/l

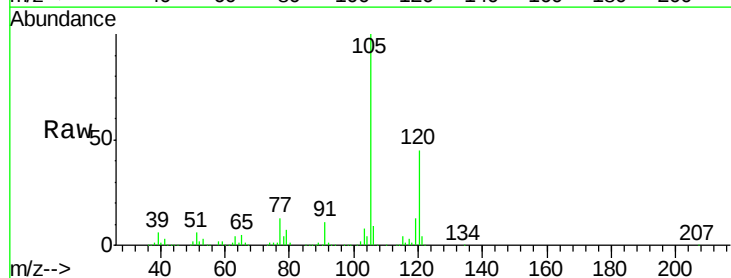
RT: 11.14 min Scan# 3127

Delta R.T. 0.00 min

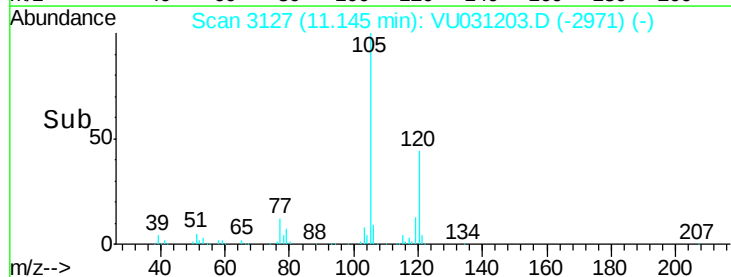
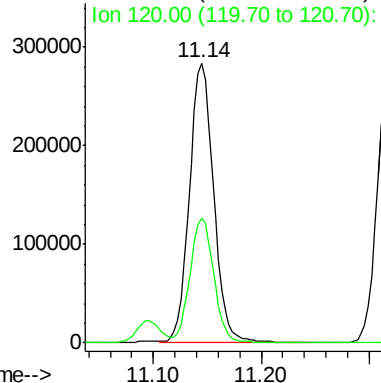
Lab File: VU031203.D

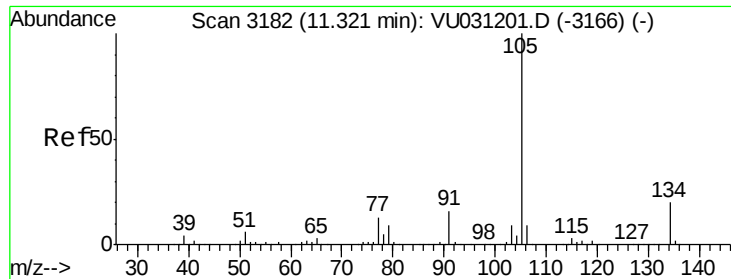
Acq: 15 Apr 2019 23:40

Tgt Ion:	105	Resp:	442405
Ion Ratio	Lower	Upper	
105	100		
120	44.4	22.4	67.0



Abundance Ion 105.00 (104.70 to 105.70): V





#79

sec-Butylbenzene

Concen: 11.272 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tot Ion:105 Resp: 513724

Ion Ratio Lower Upper

105 100

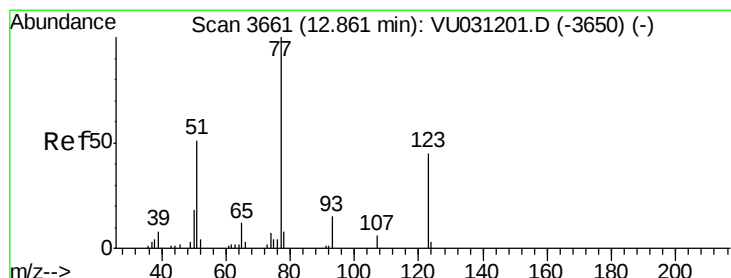
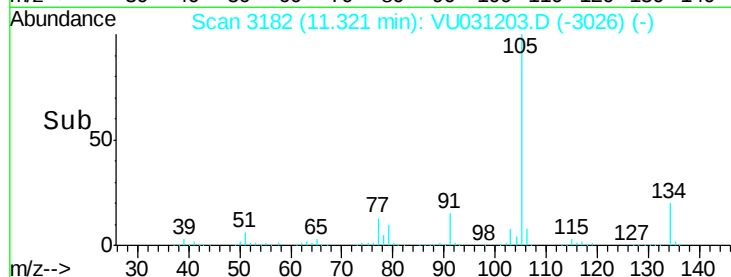
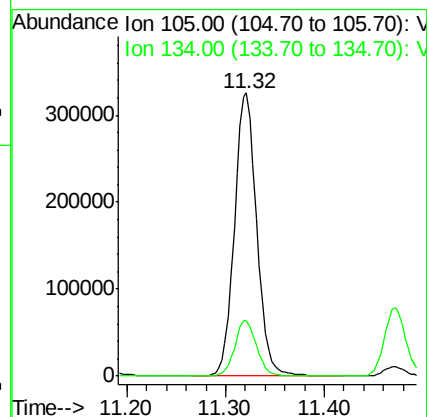
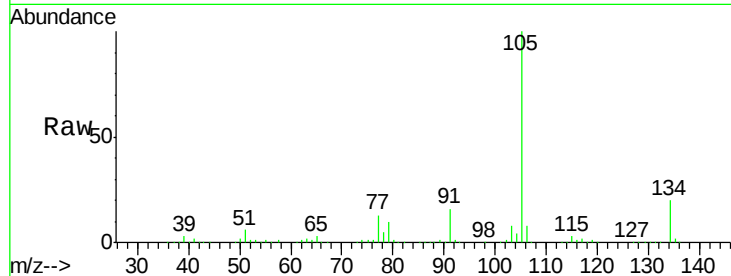
134 19.3 15.5 23.3

Manual Integrations

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#80

Nitrobenzene

Concen: 12.195 ug/l

RT: 12.87 min Scan# 3665

Delta R.T. 0.01 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

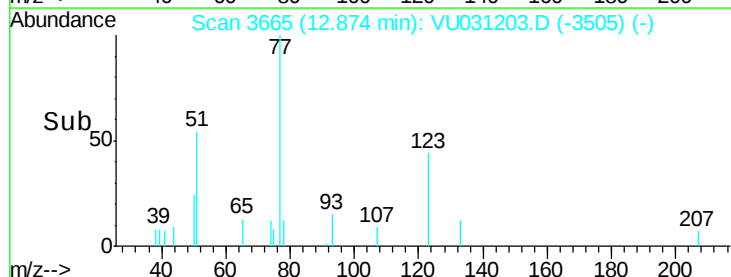
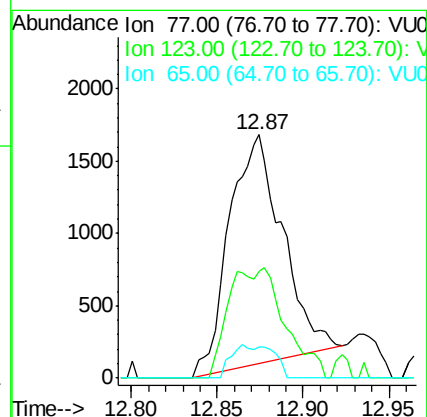
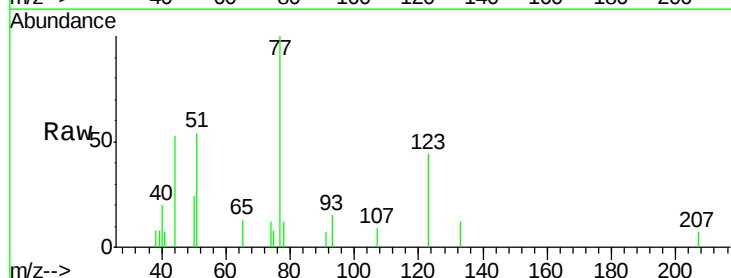
Tgt Ion: 77 Resp: 3438

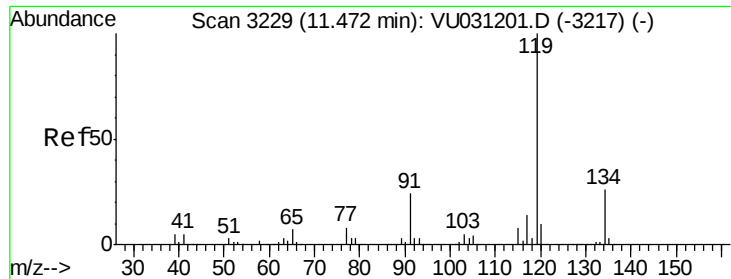
Ion Ratio Lower Upper

77 100

123 24.6 17.1 60.7

65 0.0 9.4 12.0#





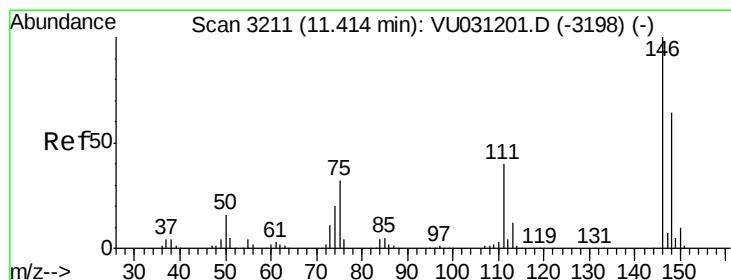
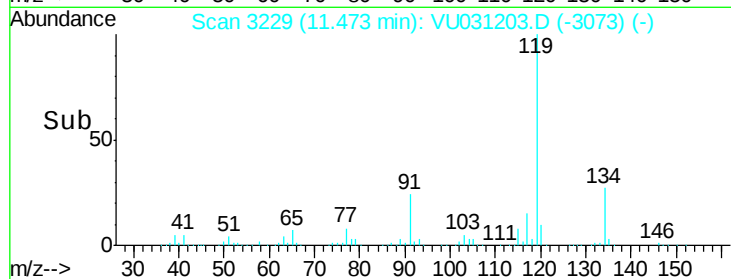
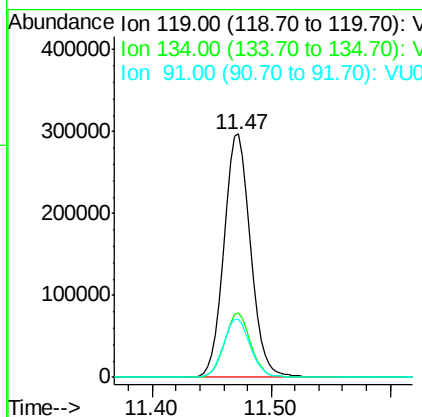
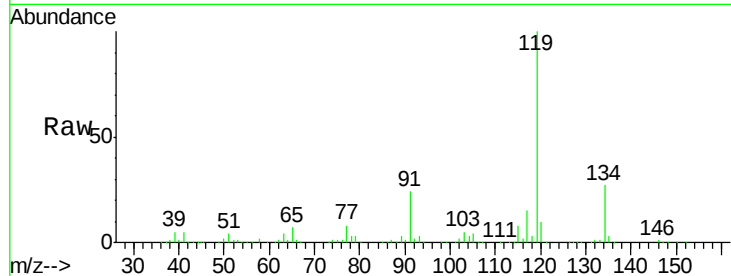
#81
 p-Isopropyltoluene
 Concen: 12.548 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.0	31.4
91	24.2	19.4	29.2

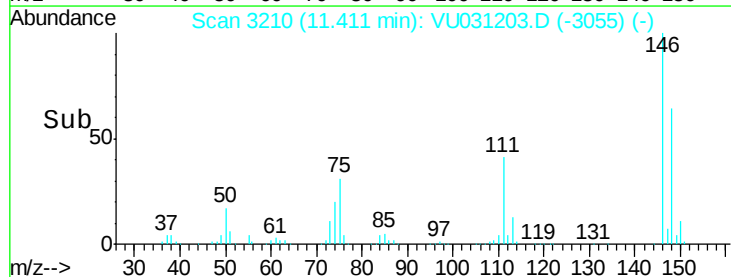
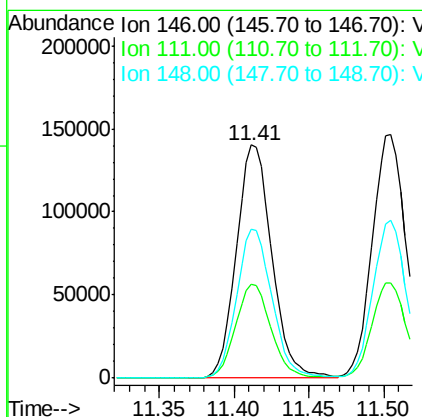
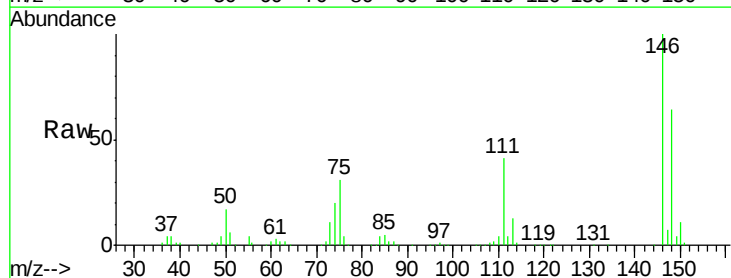
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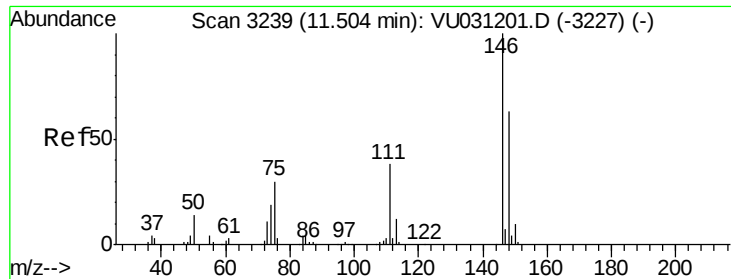
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#82
 1,3-Dichlorobenzene
 Concen: 10.855 ug/l
 RT: 11.41 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	32.4	48.6
148	63.8	50.8	76.2





#83

1,4-Dichlorobenzene

Concen: 11.470 ug/l

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

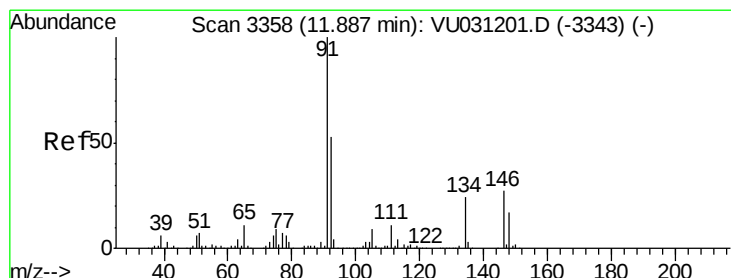
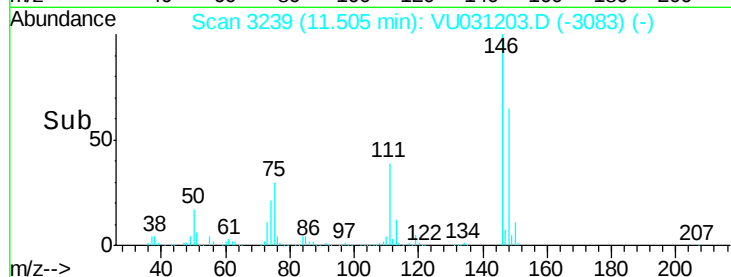
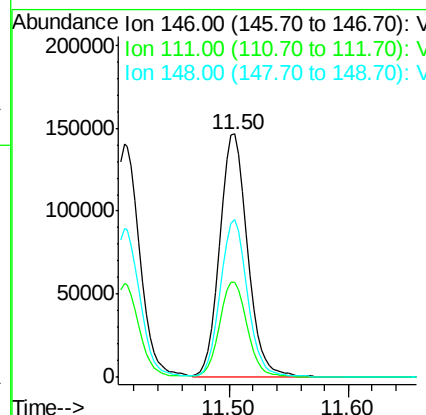
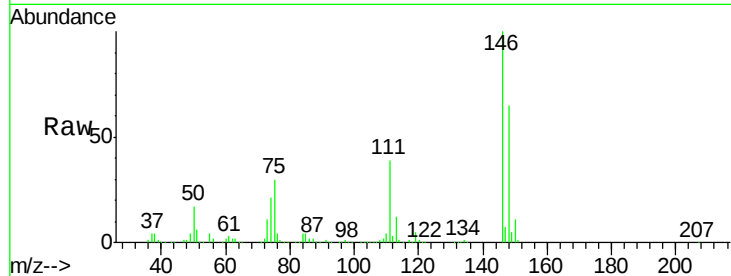
ClientSampleId :

ICVVU041519

Tot Ion:	146	Resp:	237479
Ion Ratio	Lower	Upper	
146	100		
111	39.0	30.6	46.0
148	63.8	51.1	76.7

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#84

n-Butylbenzene

Concen: 12.570 ug/l

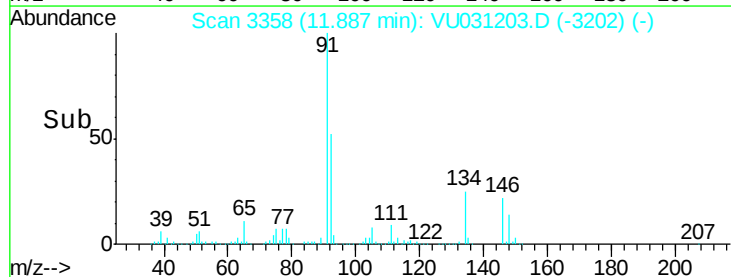
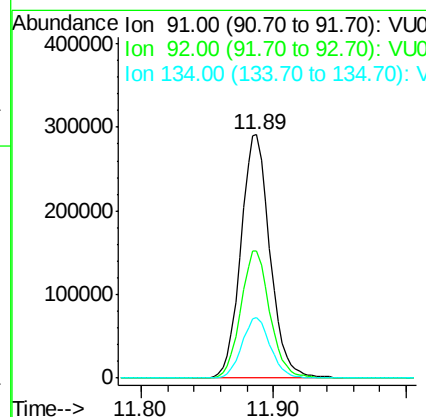
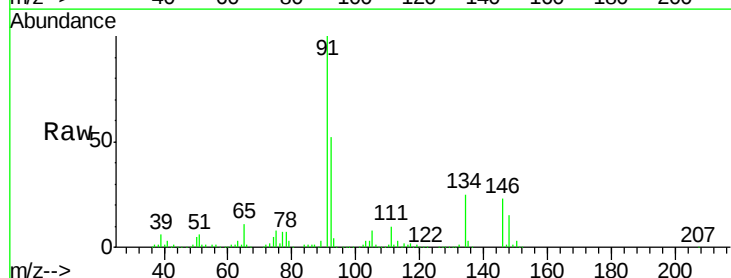
RT: 11.89 min Scan# 3358

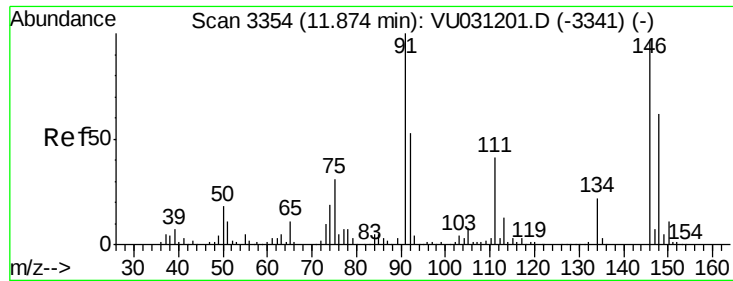
Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Tgt Ion:	91	Resp:	444654
Ion Ratio	Lower	Upper	
91	100		
92	52.3	42.6	63.8
134	24.5	19.1	28.7





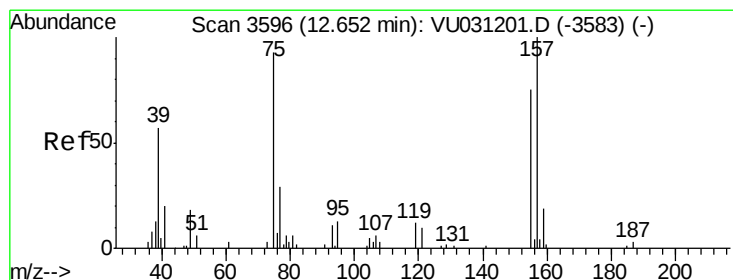
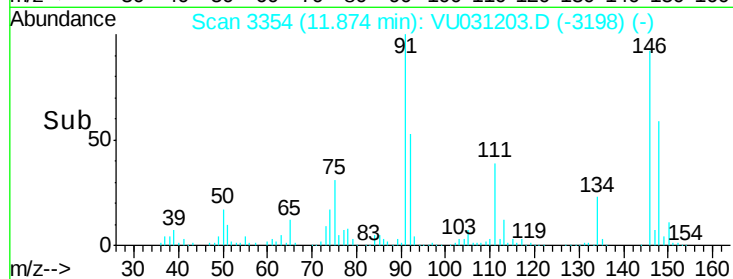
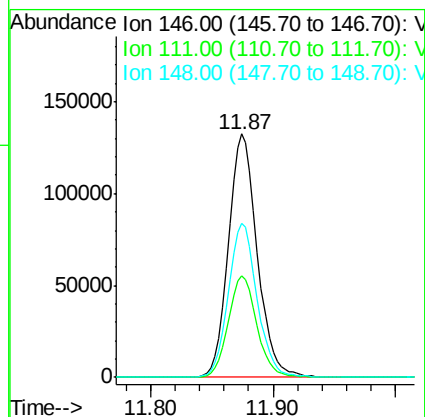
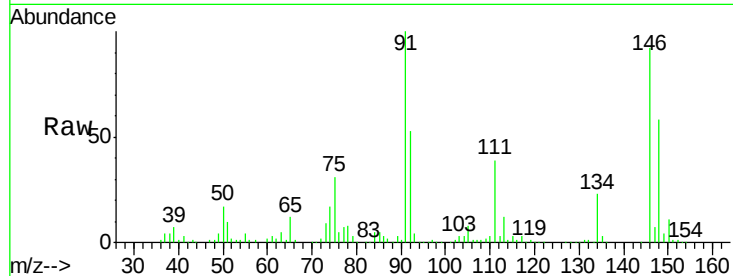
#85
 1,2-Dichlorobenzene
 Concen: 10.932 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.5
148	63.4	31.4	94.3

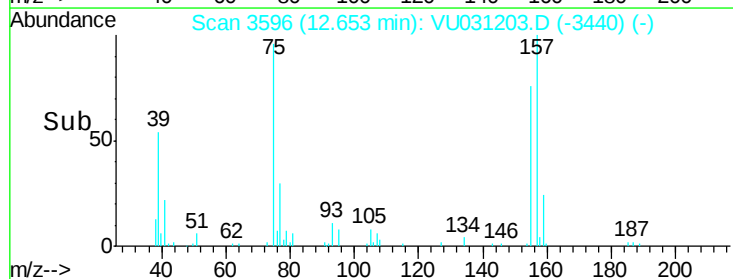
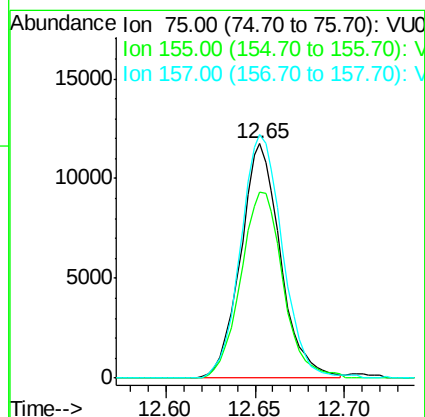
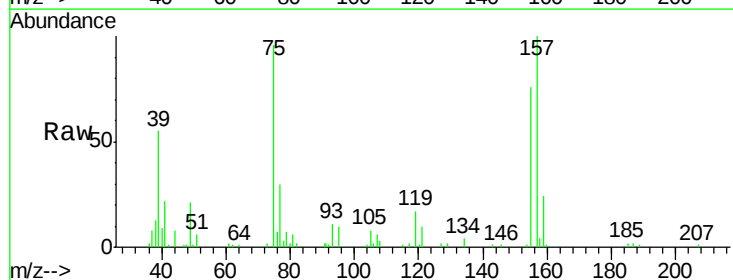
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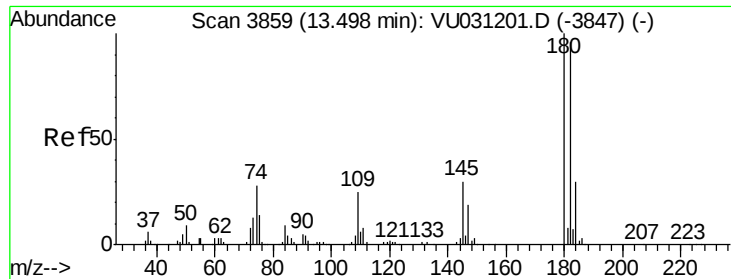
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 11.755 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.2	61.7	92.5
157	108.8	81.3	121.9





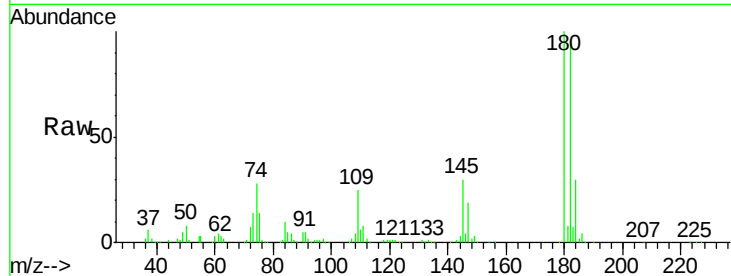
#87
 1,2,4-Trichlorobenzene
 Concen: 13.021 ug/l
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

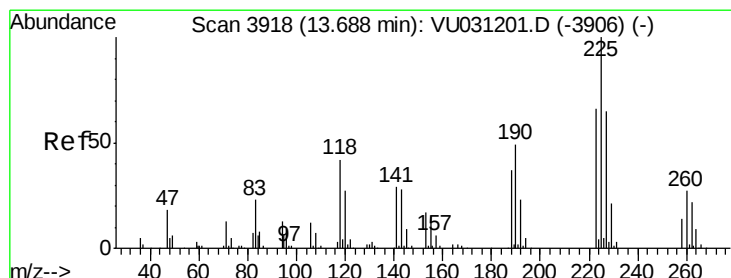
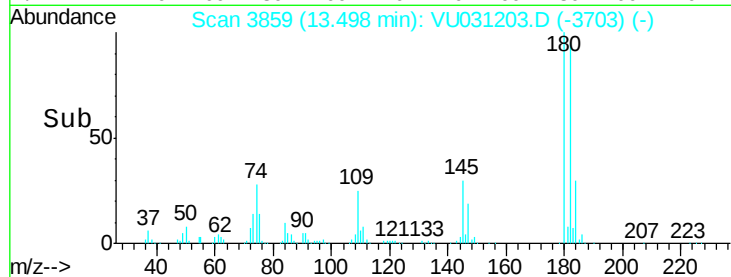
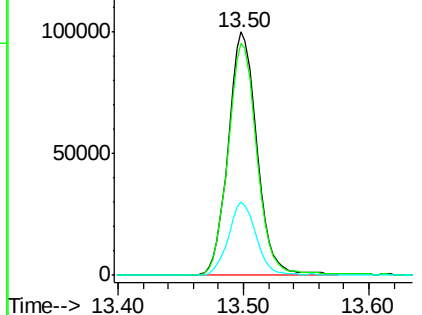
Tot Ion	Ratio	Resp	Lower	Upper
180	100	159536		
182	95.1	75.0	112.6	
145	29.1	23.4	35.2	

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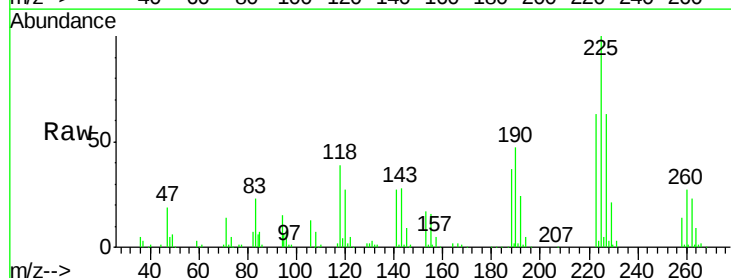


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

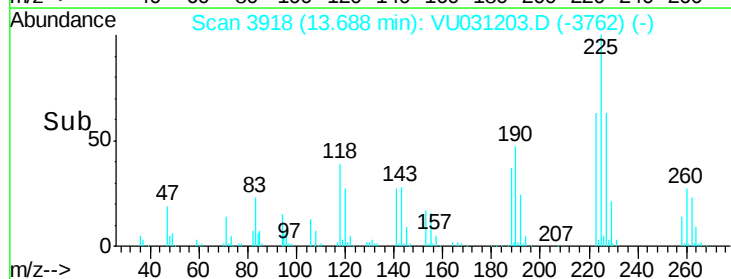
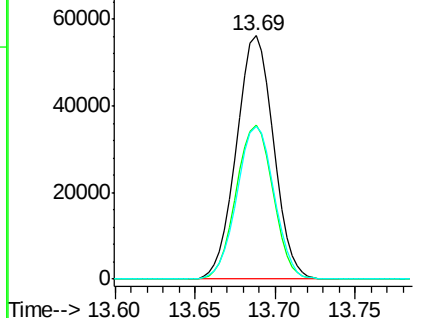


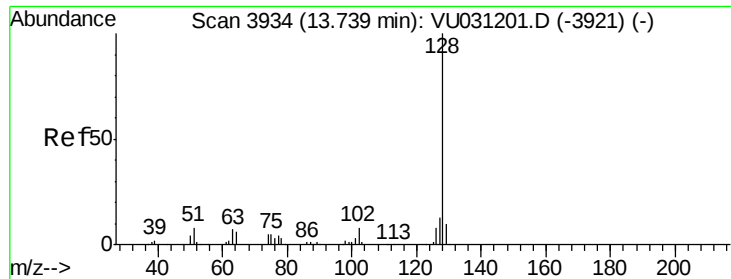
#88
 Hexachlorobutadiene
 Concen: 10.849 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88792		
223	63.1	51.4	77.2	
227	62.9	51.2	76.8	



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





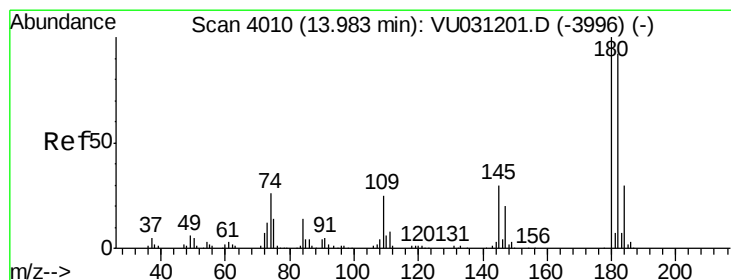
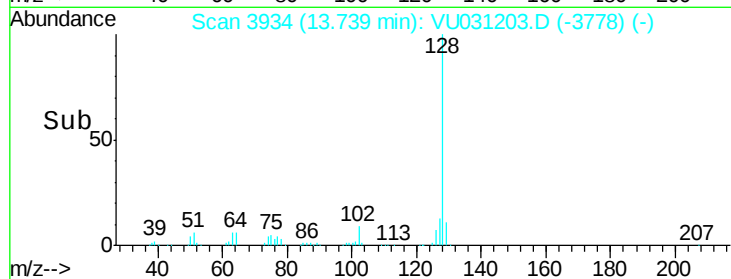
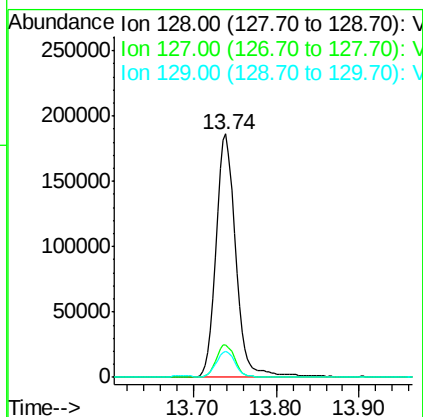
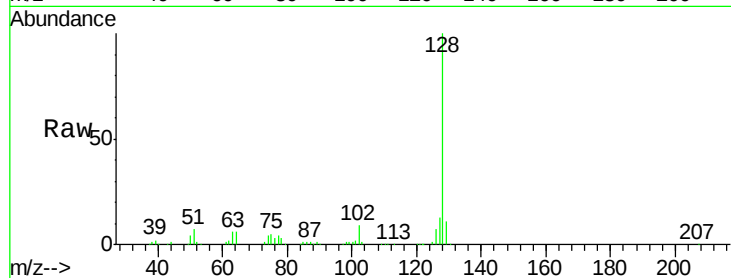
#89
Naphthalene
Concen: 11.185 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	11.0	16.4
129	10.3	8.3	12.5

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#90
1,2,3-Trichlorobenzene
Concen: 12.386 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	31.3	25.3	37.9

