

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071119\
 Data File : VU033201.D
 Acq On : 11 Jul 2019 20:03
 Operator : JC/SP
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071119

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 4:03:34 PM

Quant Time: Jul 12 05:39:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 12 05:19:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	34618	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	14053	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	
68) 1,2-Dichlorobenzene-d4	11.84	152	14747	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
Target Compounds						Ovalue
2) Dichlorodifluoromethane	1.20	85	88037	6.508	ug/l	98
3) Chloromethane	1.32	50	125480	7.942	ug/l	99
4) Vinyl Chloride	1.40	62	141601	8.694	ug/l	99
5) Bromomethane	1.62	94	91002	8.955	ug/l	99
6) Chloroethane	1.69	64	91756	9.185	ug/l	97
7) Trichlorofluoromethane	1.88	101	203133	9.217	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	118463	10.474	ug/l	100
9) 1,1-Dichloroethene	2.27	96	119687	10.480	ug/l	98
10) Iodomethane	2.40	142	145570	12.077	ug/l	100
11) Allyl Chloride	2.58	41	184316	9.659	ug/l	100
12) Acrylonitrile	2.92	53	160190	50.645	ug/l	99
13) Acetone	2.31	43	127873	45.094	ug/l	97
14) Carbon Disulfide	2.46	76	399106	9.574	ug/l	99
15) Methylene Chloride	2.68	84	140518	9.205	ug/l	98
16) trans-1,2-Dichloroethene	2.96	96	135671	10.373	ug/l	97
17) 1,1-Dichloroethane	3.42	63	195324	10.287	ug/l	99
18) 2-Butanone	4.25	43	148354	52.367	ug/l	98
19) Cyclohexane	4.97	56	168833m	11.632	ug/l	
20) Methylcyclohexane	6.39	83	181302	11.916	ug/l	99
21) 2,2-Dichloropropane	4.20	77	155028	9.717	ug/l	98
22) cis-1,2-Dichloroethene	4.20	96	117610	10.827	ug/l	98
23) Diethyl Ether	2.09	59	94238	9.466	ug/l	99
24) tert-Butyl Alcohol	2.82	59	62154	51.216	ug/l	100
25) Methyl tert-Butyl Ether	2.98	73	341832	10.268	ug/l	100
26) Bromochloromethane	4.52	128	47455	9.862	ug/l	96
27) Chloroform	4.65	83	204554	9.756	ug/l	98
28) 1,1,1-Trichloroethane	4.89	97	177099	10.669	ug/l	99
29) 1,1-Dichloropropene	5.11	75	153335	10.953	ug/l	98
30) Carbon Tetrachloride	5.11	117	154378	10.532	ug/l	99
31) Isopropyl Ether	3.56	45	301522	11.828	ug/l #	1
34) Propionitrile	4.31	54	89456	111.449	ug/l	98
35) Benzene	5.36	78	441306	10.813	ug/l	99
36) 1,2-Dichloroethane	5.38	62	138266	10.466	ug/l	99
37) Trichloroethene	6.16	130	116551	10.925	ug/l	97
38) 1,2-Dichloropropane	6.41	63	119316	10.808	ug/l	99
39) Methacrylonitrile	4.52	41	34610	10.400	ug/l	97
40) Methyl acrylate	4.40	55	58365	11.844	ug/l #	92
41) Tetrahydrofuran	4.63	42	97232	55.696	ug/l	98
42) 1-Chlorobutane	5.04	56	207251	10.901	ug/l	98
43) Dibromomethane	6.54	93	62528	10.593	ug/l	99
44) Bromodichloromethane	6.74	83	154148	10.596	ug/l	96

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Quant Time: Jul 12 05:39:26 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.45	43	370128	55.678	ug/l	100
46) t-1,4-Dichloro-2-butene	10.49	75	31523m	11.137	ug/l	
47) Methyl methacrylate	6.61	69	55871	11.699	ug/l	98
48) Ethyl methacrylate	8.00	69	112316	12.514	ug/l	97
49) Toluene	7.62	92	281230	11.681	ug/l	99
50) t-1,3-Dichloropropene	7.86	75	151822	11.764	ug/l	99
51) cis-1,3-Dichloropropene	7.25	75	171893	11.529	ug/l	99
52) 1,1,2-Trichloroethane	8.05	97	89137	10.877	ug/l	98
53) 1,3-Dichloropropane	8.22	76	151864	10.934	ug/l	99
54) 2-Hexanone	8.35	43	260259	56.017	ug/l	98
55) Dibromochloromethane	8.46	129	106637	11.244	ug/l	97
56) 1,2-Dibromoethane	8.57	107	86350	11.390	ug/l	99
58) Tetrachloroethene	8.21	164	106745	10.950	ug/l	97
59) Chlorobenzene	9.10	112	302929	11.197	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.19	131	109826	11.016	ug/l	98
61) Pentachloroethane	11.09	117	86727	11.067	ug/l	96
62) Hexachloroethane	12.13	117	87155	11.453	ug/l	97
63) Ethyl Benzene	9.23	91	546289	12.349	ug/l	100
64) m/p-Xylenes	9.36	106	427563	24.734	ug/l	99
65) o-Xylene	9.76	106	200151	11.911	ug/l	97
66) Styrene	9.77	104	353691	12.469	ug/l	100
67) Bromoform	9.94	173	62341	11.561	ug/l	97
69) Isopropylbenzene	10.15	105	546308	12.505	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.44	83	117555	10.537	ug/l	99
71) 1,2,3-Trichloropropane	10.48	75	83276m	9.961	ug/l	
72) Bromobenzene	10.44	156	131717	11.624	ug/l	98
73) n-propylbenzene	10.57	120	151105	12.211	ug/l	100
74) 2-Chlorotoluene	10.64	126	129751	11.618	ug/l	100
75) 1,3,5-Trimethylbenzene	10.76	105	487759	12.898	ug/l	98
76) 4-Chlorotoluene	10.76	126	136190	11.944	ug/l	95
77) tert-Butylbenzene	11.08	119	443948	12.193	ug/l	99
78) 1,2,4-Trimethylbenzene	11.13	105	491612	12.722	ug/l	100
79) sec-Butylbenzene	11.31	105	563741	11.281	ug/l	100
80) Nitrobenzene	12.85	77	4132	12.054	ug/l #	80
81) p-Isopropyltoluene	11.46	119	518470	12.758	ug/l	99
82) 1,3-Dichlorobenzene	11.40	146	264136	11.296	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	271075	11.514	ug/l	99
84) n-Butylbenzene	11.87	91	504965	12.468	ug/l	99
85) 1,2-Dichlorobenzene	11.86	146	249174	11.140	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.64	75	21114	11.949	ug/l	96
87) 1,2,4-Trichlorobenzene	13.49	180	180249	13.089	ug/l	100
88) Hexachlorobutadiene	13.68	225	95503	12.005	ug/l	98
89) Naphthalene	13.73	128	350797	11.229	ug/l	100
90) 1,2,3-Trichlorobenzene	13.97	180	169426	12.880	ug/l	99

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

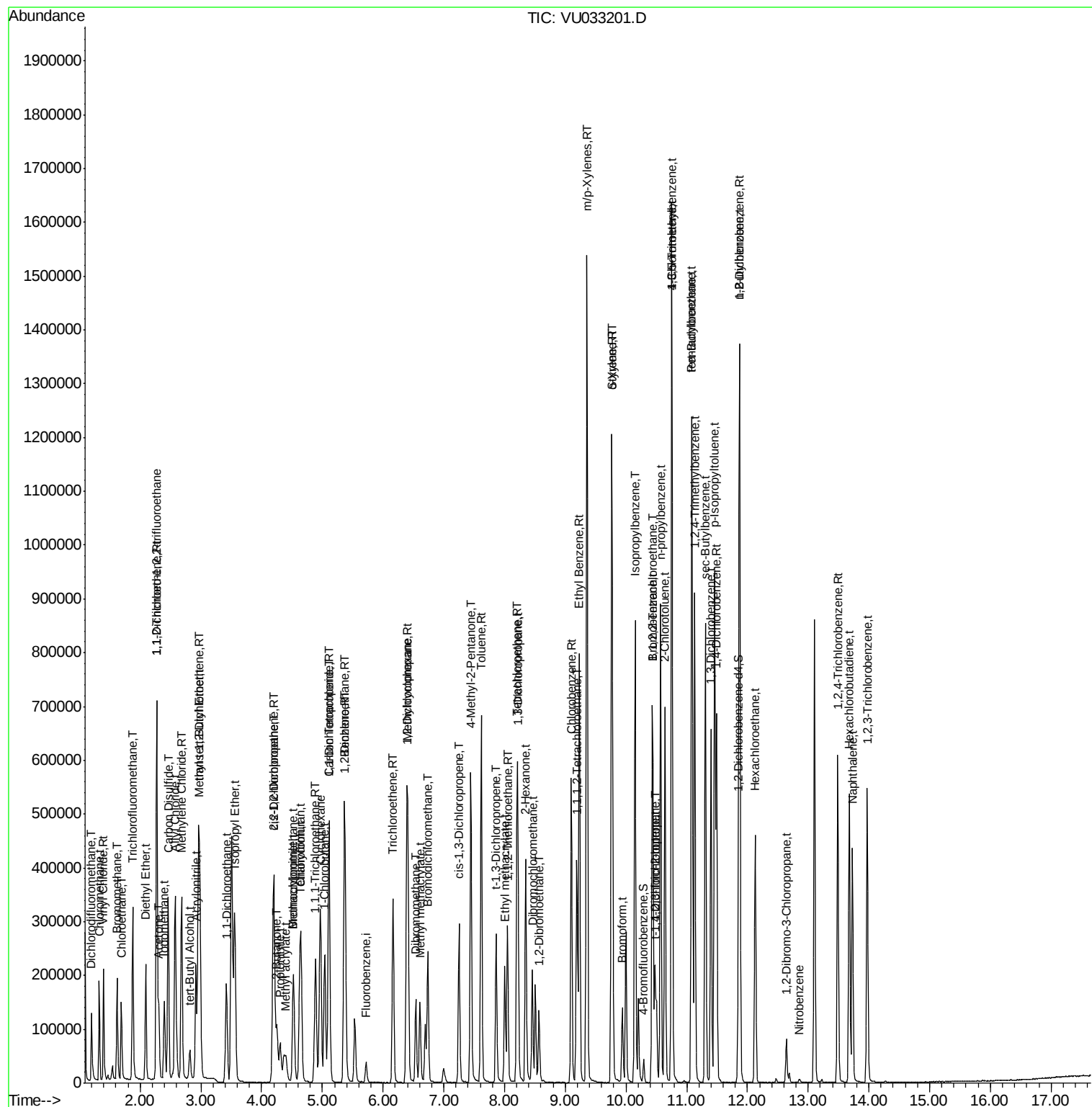
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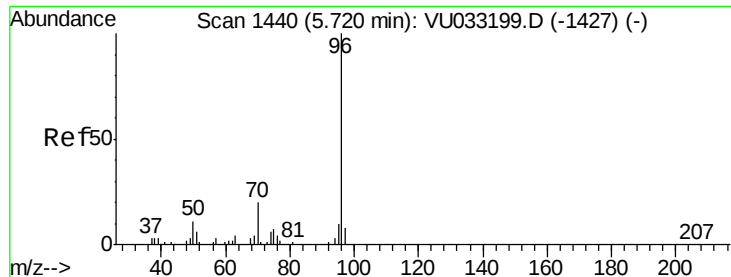
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

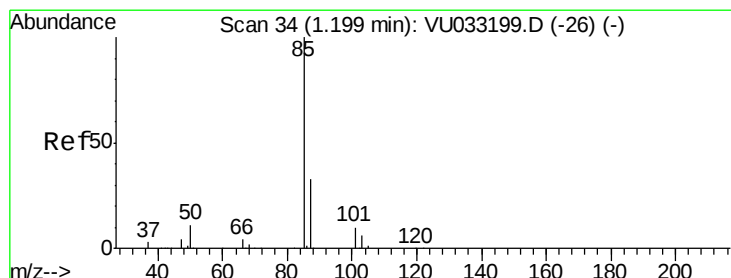
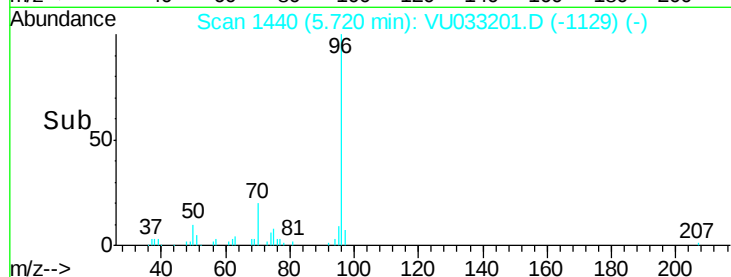
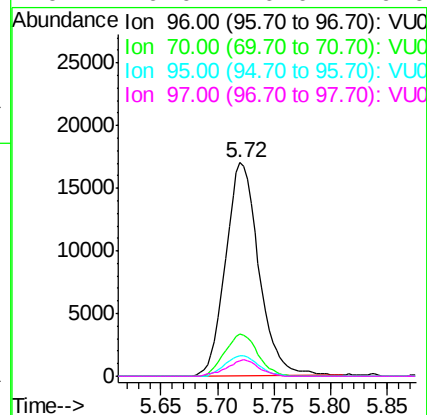
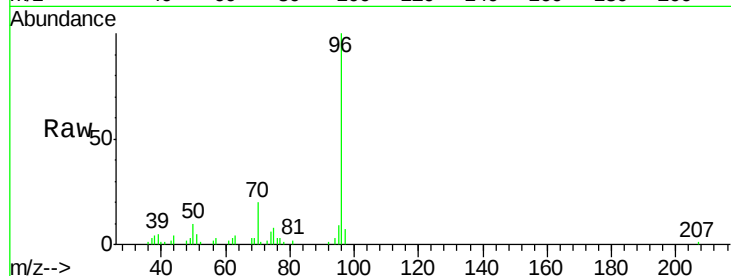
ClientSampleId :

ICVVU071119

Tot Ion:	96	Resp:	34618
Ion	Ratio	Lower	Upper
96	100		
70	19.6	16.2	24.4
95	9.6	7.8	11.8
97	0.0	0.0	0.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 6.508 ug/l

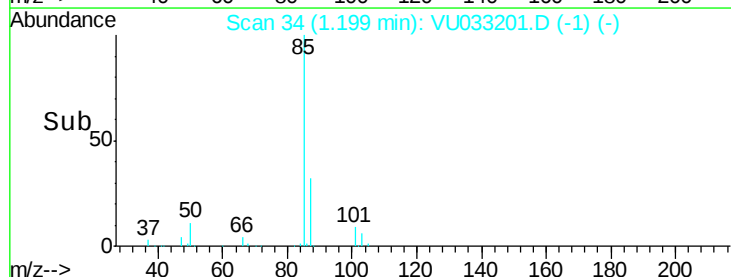
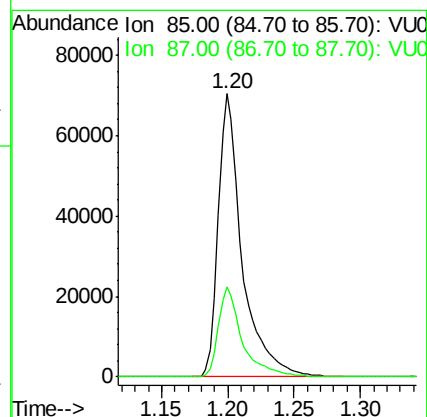
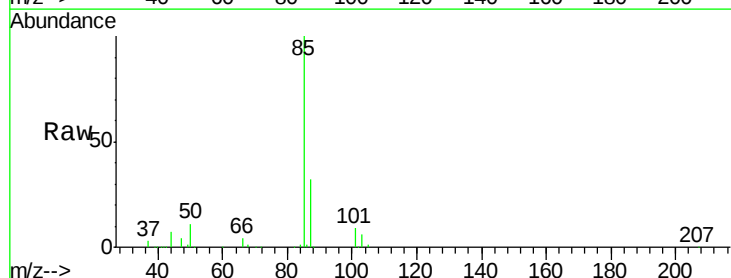
RT: 1.20 min Scan# 34

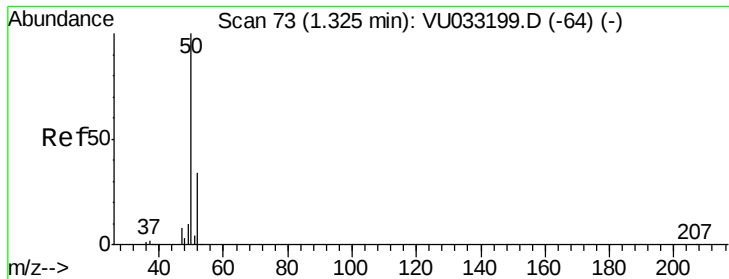
Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Tgt Ion:	85	Resp:	88037
Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.4	49.1





#3

Chloromethane

Concen: 7.942 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071119

Tot Ion: 50 Resp: 125480

Ion Ratio Lower Upper

50 100

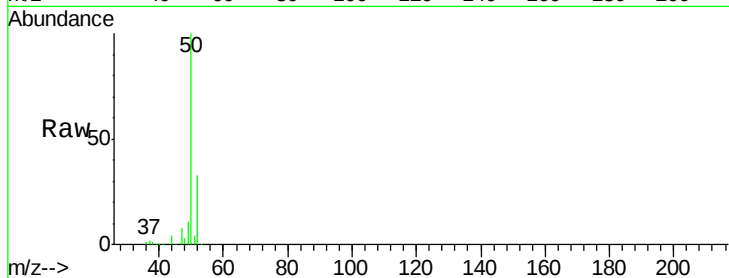
52 33.0 27.0 40.4

Manual Integrations

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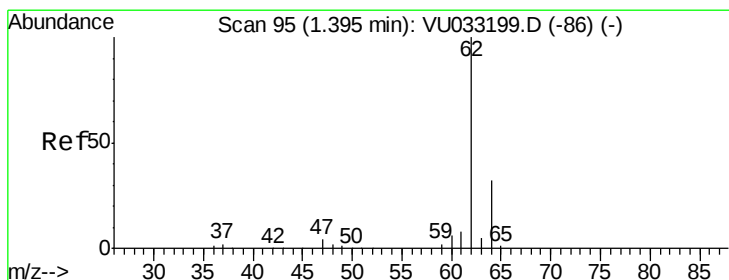
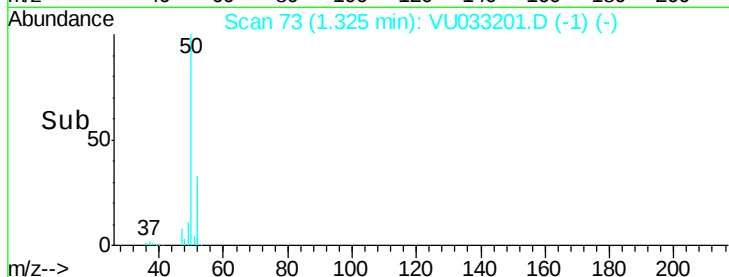
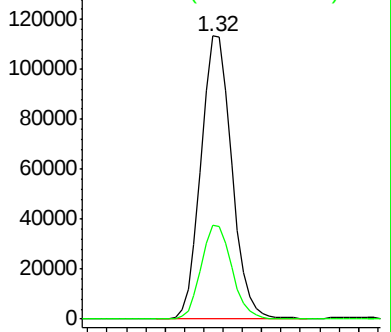
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 8.694 ug/l

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033201.D

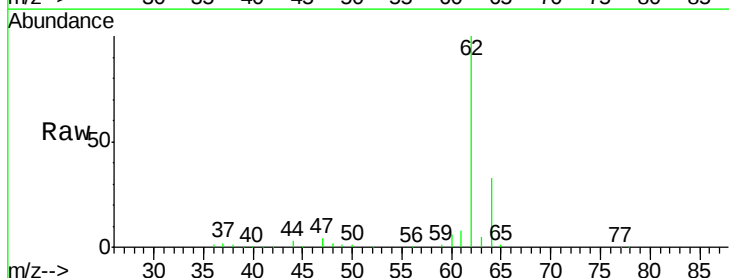
Acq: 11 Jul 2019 20:03

Tgt Ion: 62 Resp: 141601

Ion Ratio Lower Upper

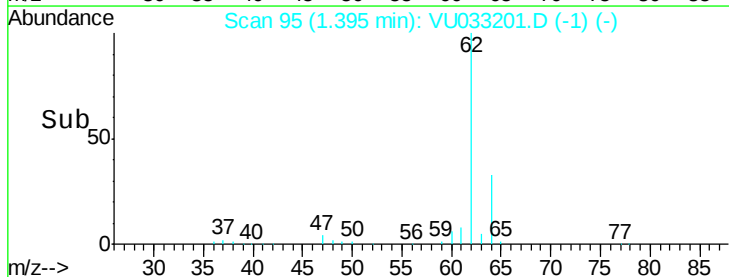
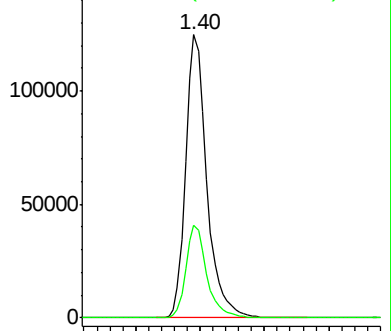
62 100

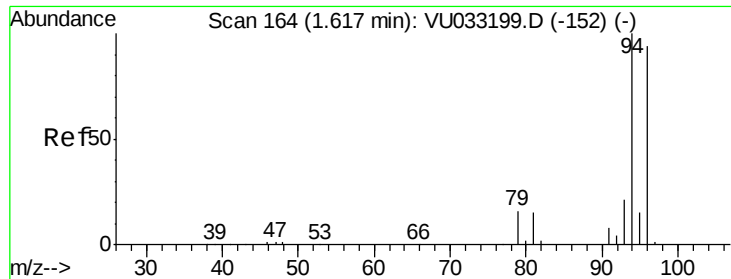
64 32.7 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 8.955 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071119

Tot Ion: 94 Resp: 91002

Ion Ratio Lower Upper

94 100

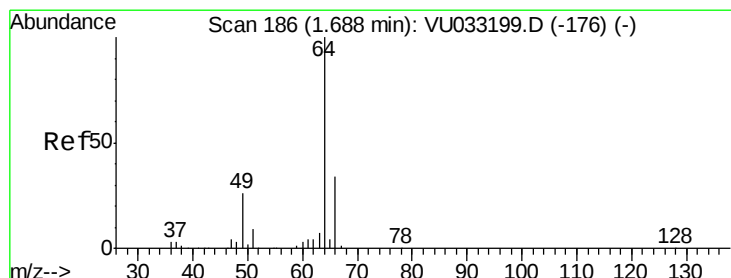
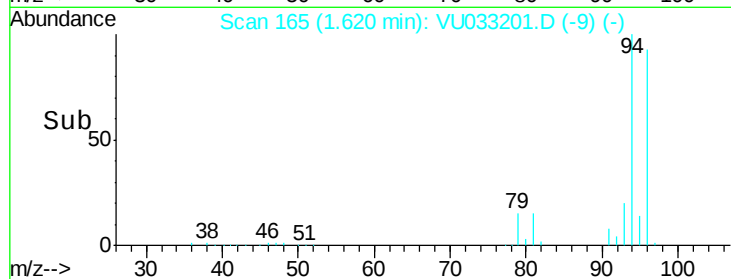
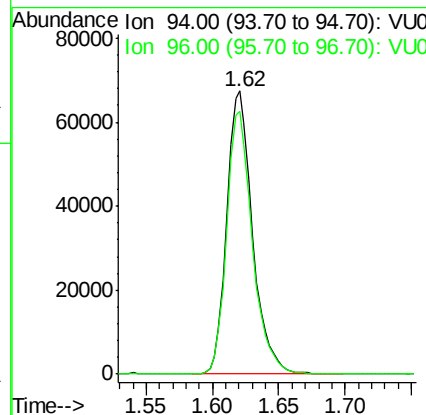
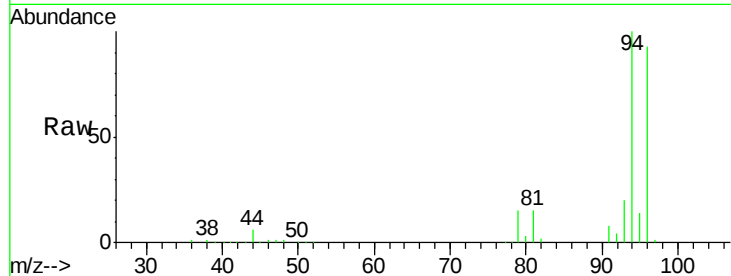
96 92.7 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 9.185 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033201.D

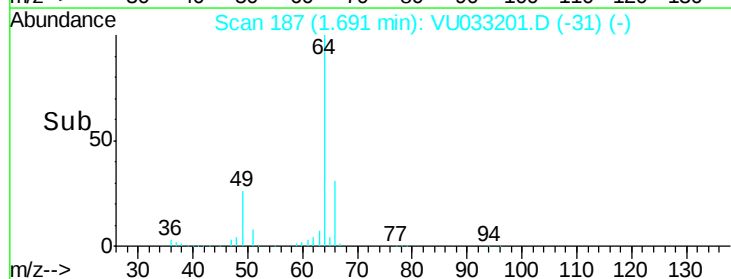
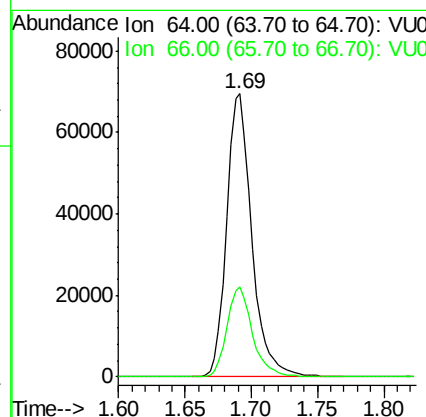
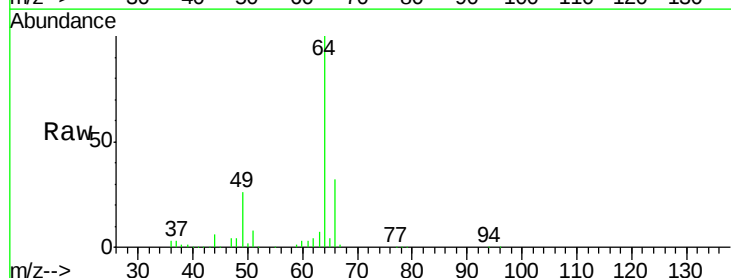
Acq: 11 Jul 2019 20:03

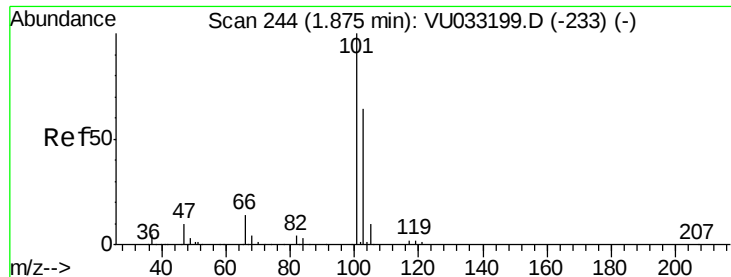
Tgt Ion: 64 Resp: 91756

Ion Ratio Lower Upper

64 100

66 31.8 27.0 40.4





#7

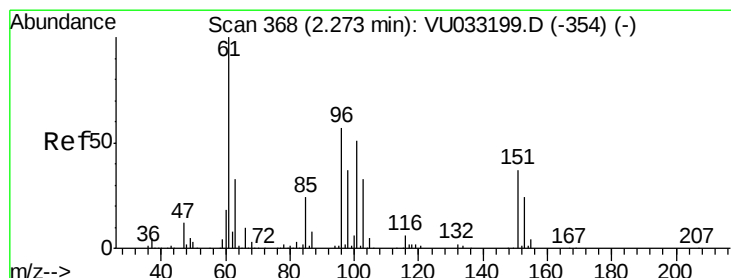
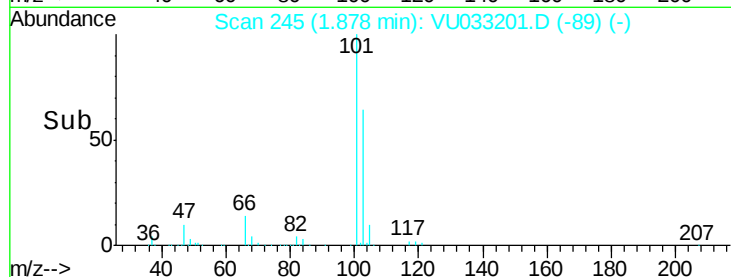
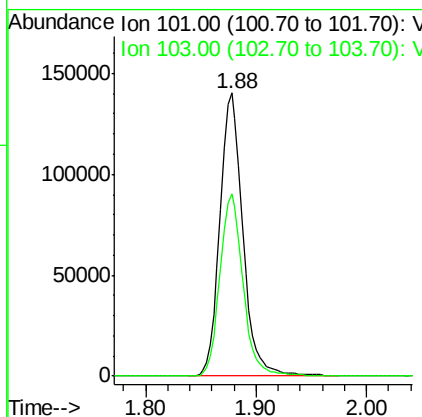
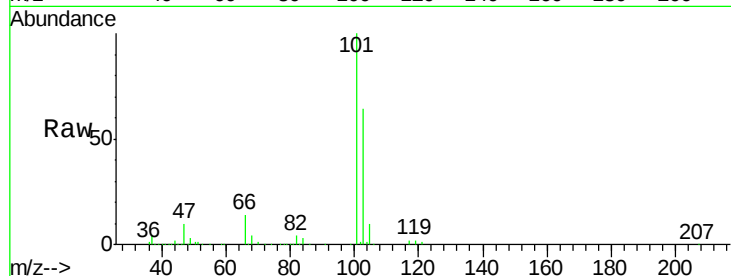
Trichlorofluoromethane
Concen: 9.217 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Instrument :
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ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		203133		
103	64.5	51.0	76.6		

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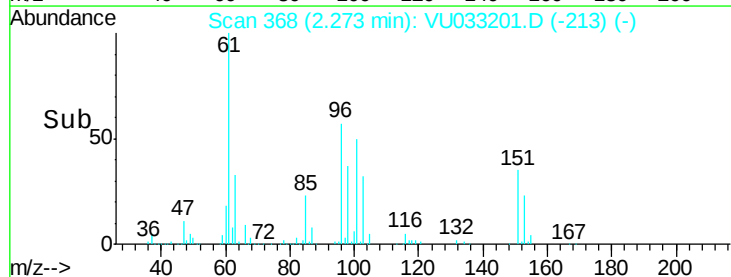
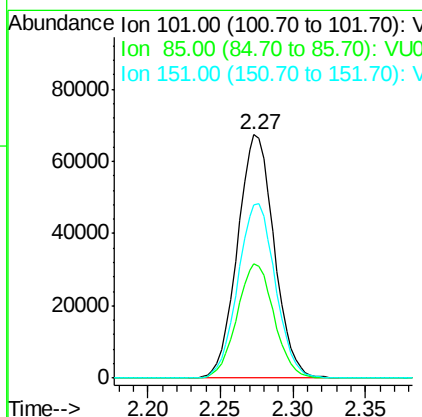
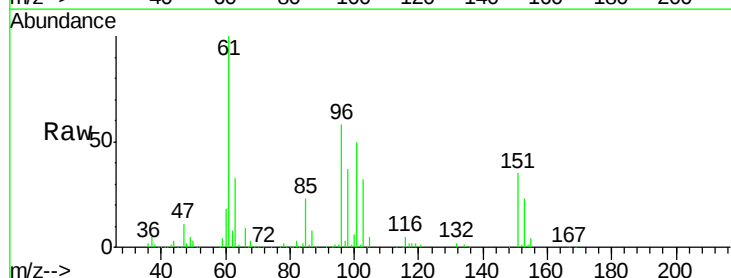
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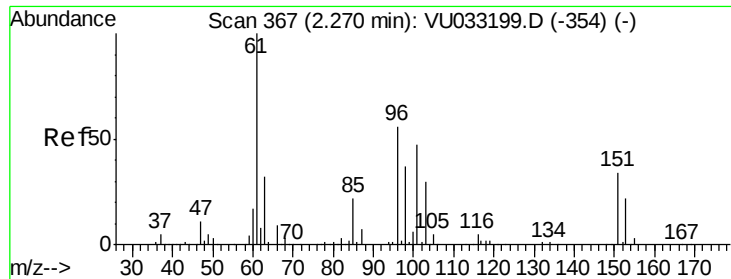


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.474 ug/l
RT: 2.27 min Scan# 368
Delta R.T. -0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		118463		
85	47.1	37.7	56.5		
151	73.3	58.2	87.2		





#9

1,1-Dichloroethene

Concen: 10.480 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

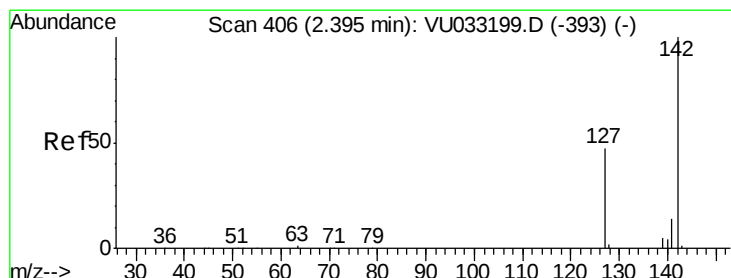
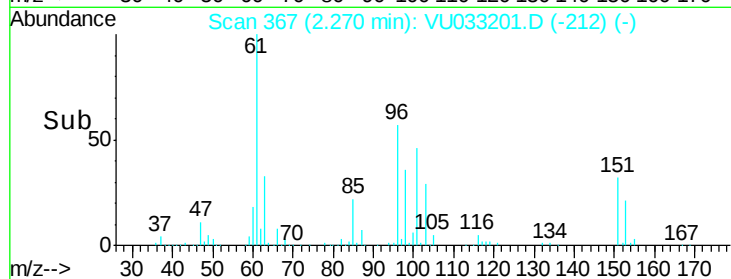
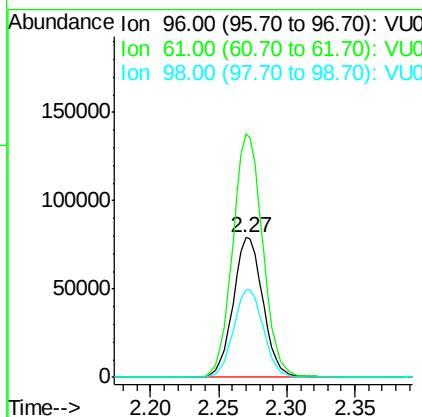
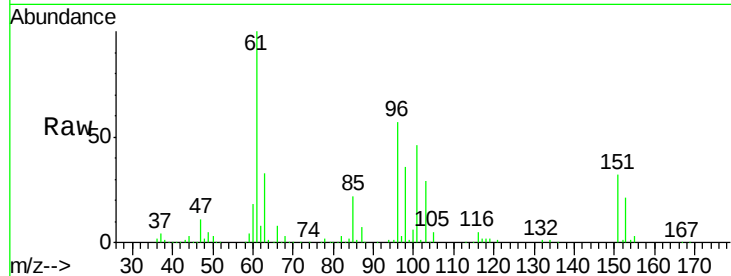
ClientSampleId :

ICVVU071119

Tot Ion:	96	Resp:	119687
Ion Ratio	Lower	Upper	
96	100		
61	174.6	0.0	533.7
98	62.9	0.0	129.8

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#10

Iodomethane

Concen: 12.077 ug/l

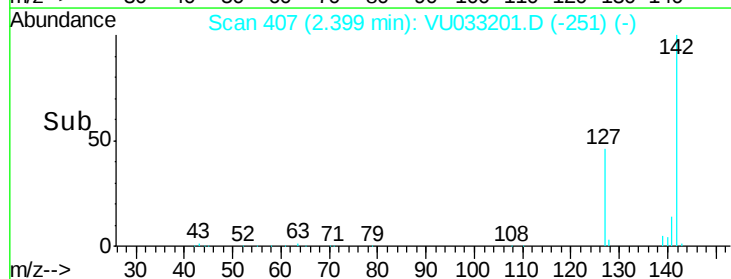
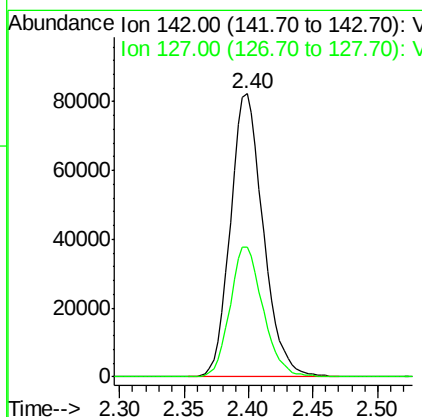
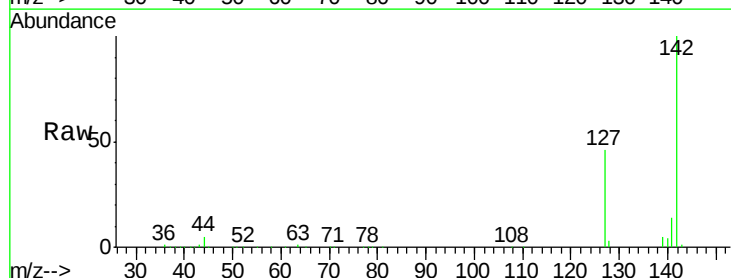
RT: 2.40 min Scan# 407

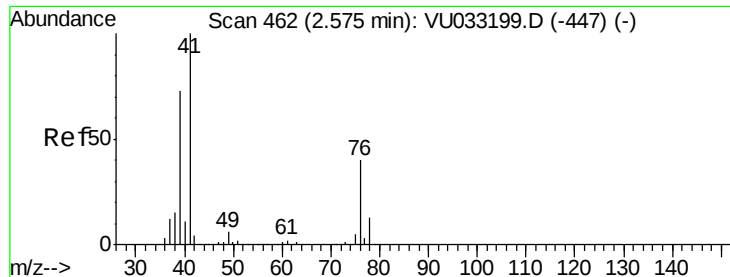
Delta R.T. 0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Tgt Ion:	142	Resp:	145570
Ion Ratio	Lower	Upper	
142	100		
127	46.3	37.0	55.4





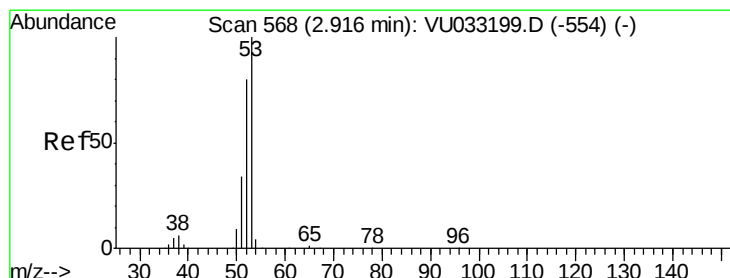
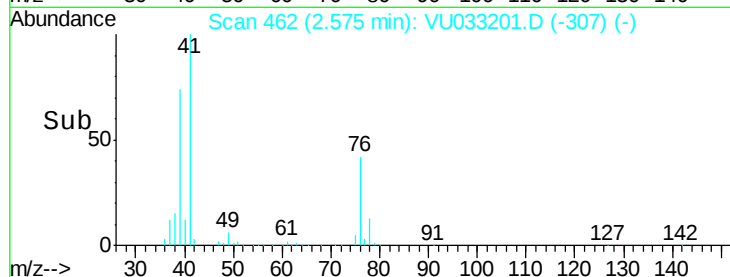
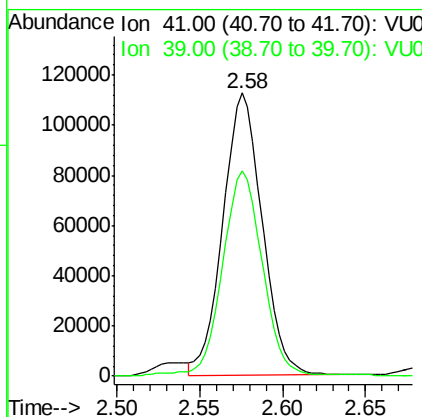
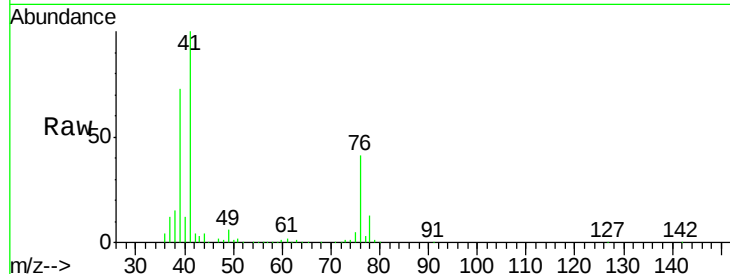
#11
Allvl Chloride
Concen: 9.659 ug/l
RT: 2.58 min Scan# 462
Delta R.T. -0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071119

Tot Ion	41.00	Resp	184316
Ion Ratio	100	Lower	Upper
39	73.6	58.7	88.1

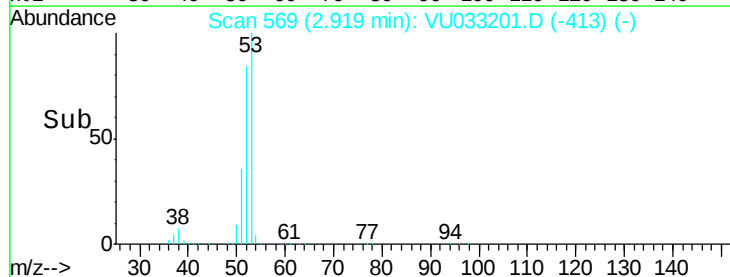
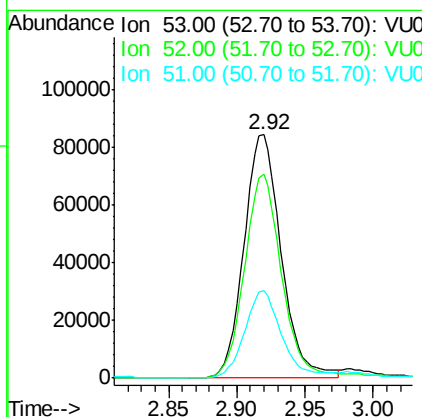
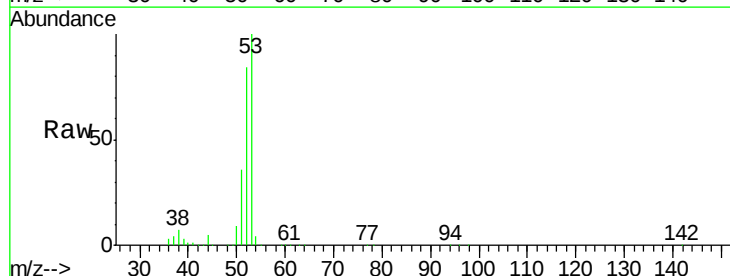
Manual Integrations
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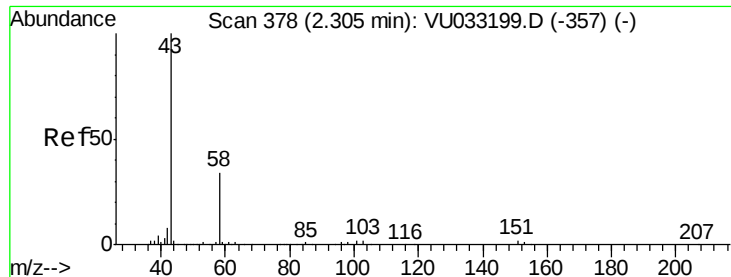
MMDadoda
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#12
Acrylonitrile
Concen: 50.645 ug/l
RT: 2.92 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Tgt Ion	53.00	Resp	160190
Ion Ratio	100	Lower	Upper
52	84.6	68.3	102.5
51	35.0	28.7	43.1





#13

Acetone

Concen: 45.094 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Tot Ion: 43 Resp: 127873

Ion Ratio Lower Upper

43 100

58 32.1 27.1 40.7

Instrument :

MSVOA_U

ClientSampleId :

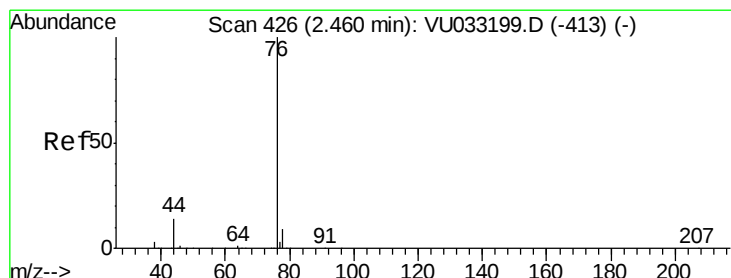
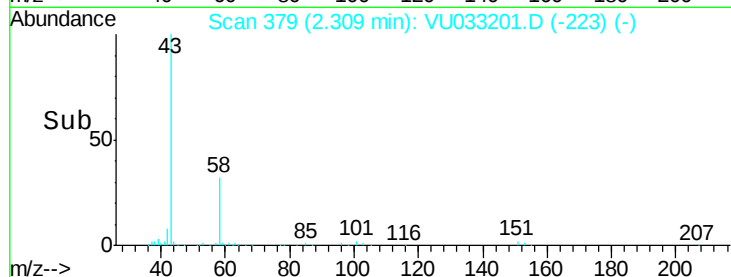
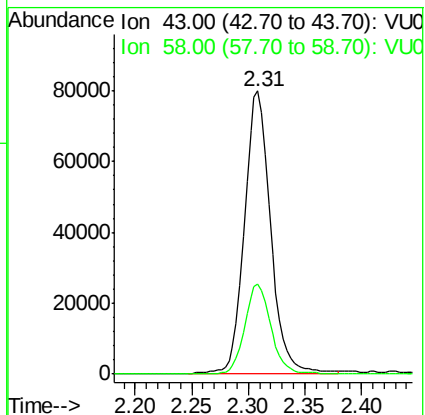
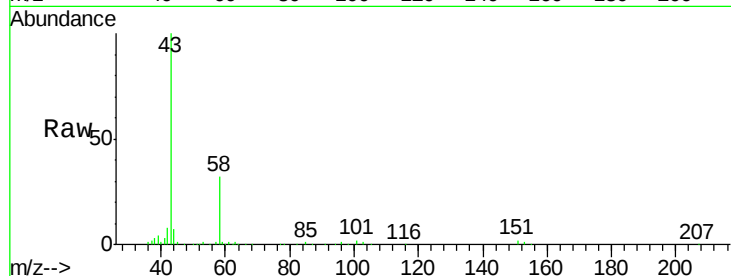
ICVVU071119

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#14

Carbon Disulfide

Concen: 9.574 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033201.D

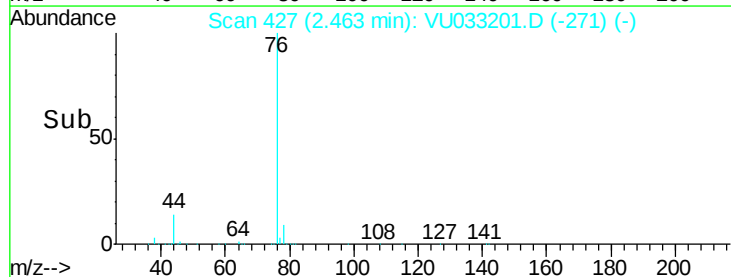
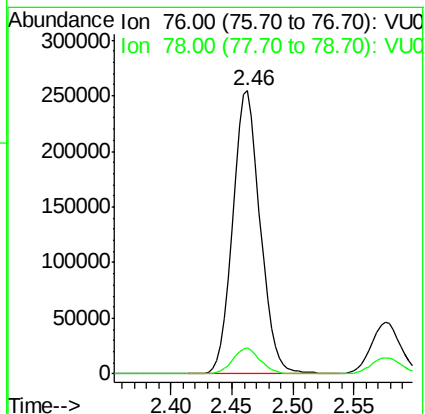
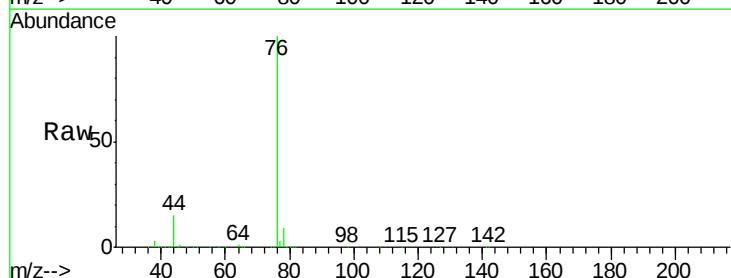
Acq: 11 Jul 2019 20:03

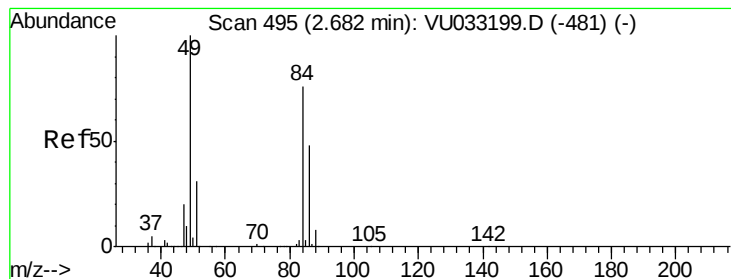
Tgt Ion: 76 Resp: 399106

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#15

Methvlene Chloride

Concen: 9.205 ug/l

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071119

Tot Ion: 84 Resp: 140518

Ion Ratio Lower Upper

84 100

49 134.4 105.8 158.8

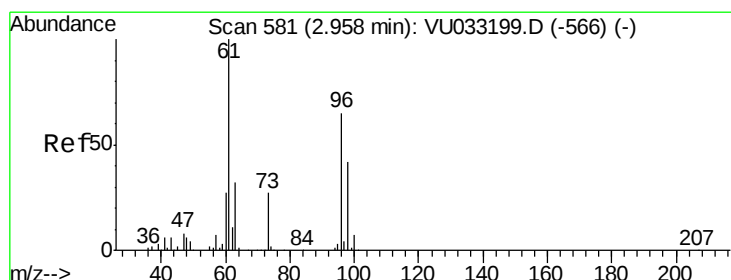
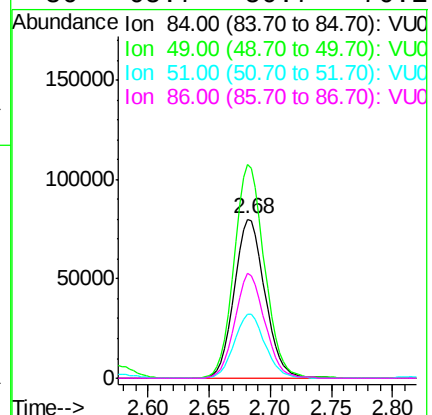
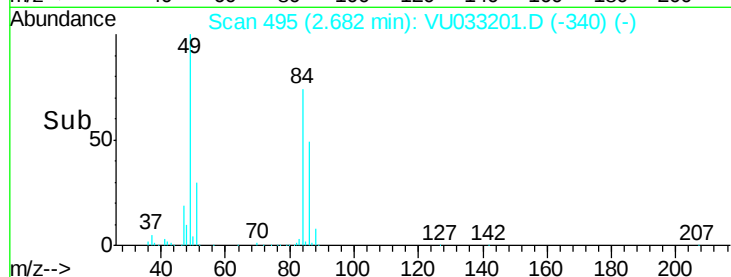
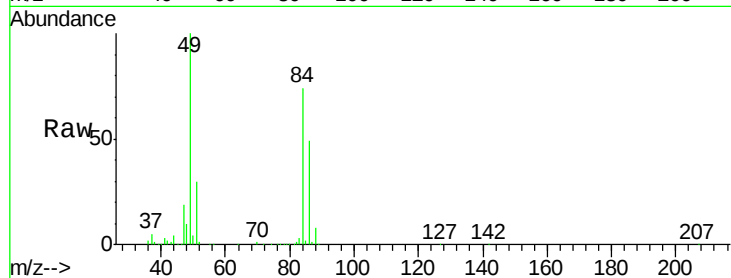
51 39.9 0.0 82.0

86 65.7 50.7 76.1

Manual Integrations
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#16

trans-1,2-Dichloroethene

Concen: 10.373 ug/l

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

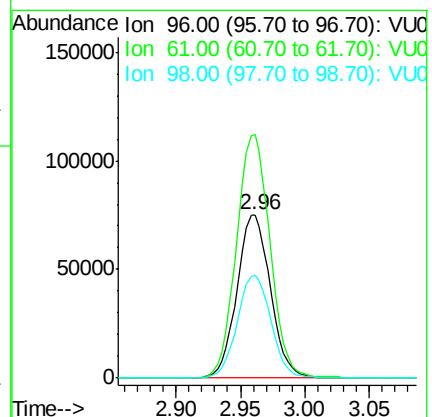
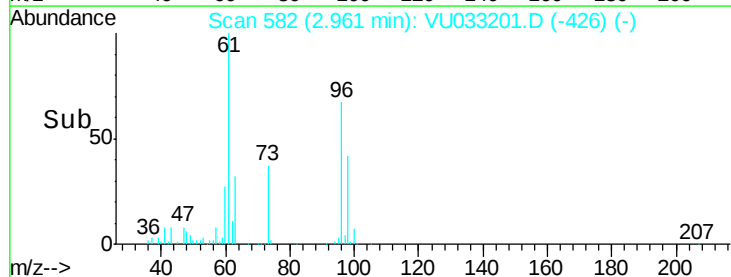
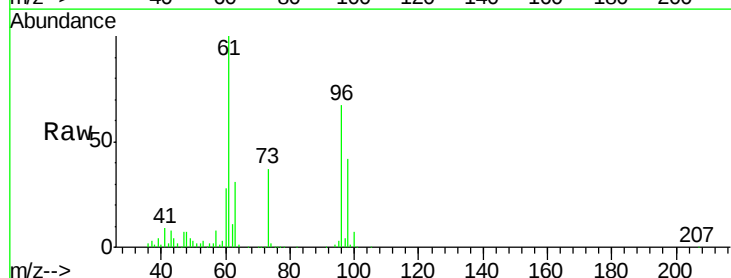
Tgt Ion: 96 Resp: 135671

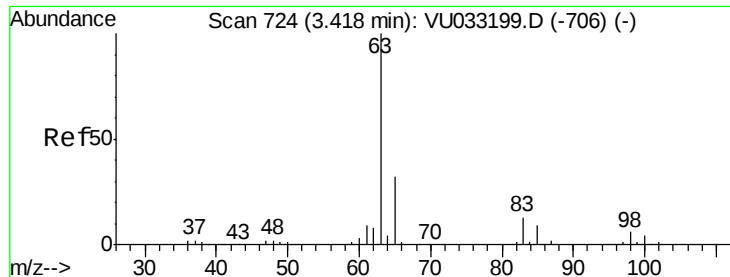
Ion Ratio Lower Upper

96 100

61 149.0 122.6 184.0

98 62.6 52.0 78.0





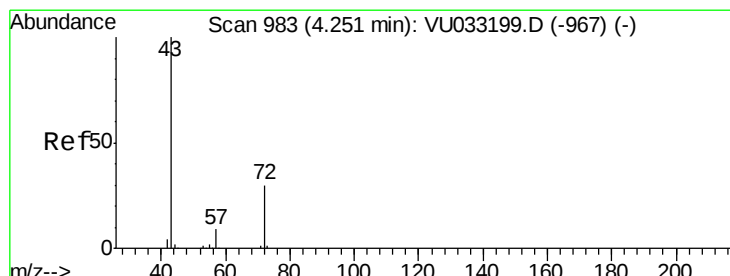
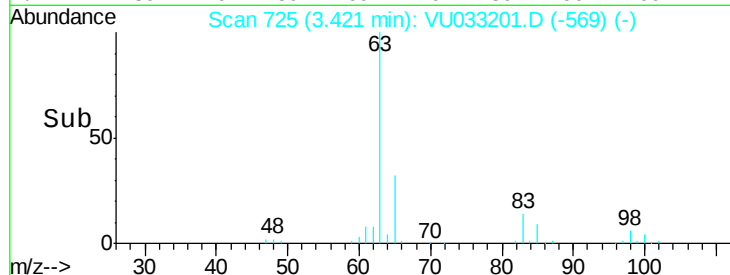
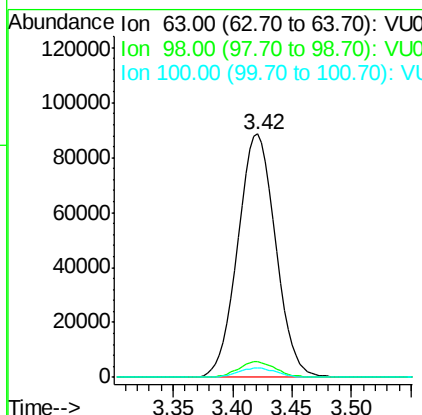
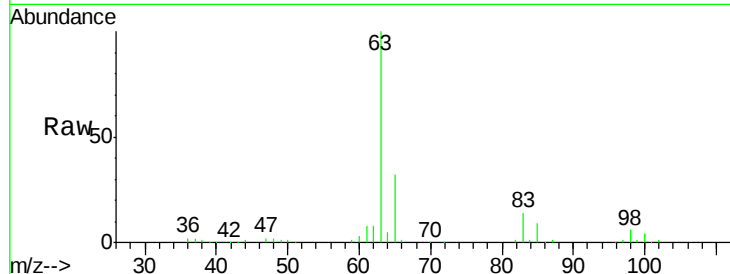
#17
 1,1-Dichloroethane
 Concen: 10.287 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
63	100		195324		
98	6.3	3.3	9.8		
100	4.0	1.8	5.4		

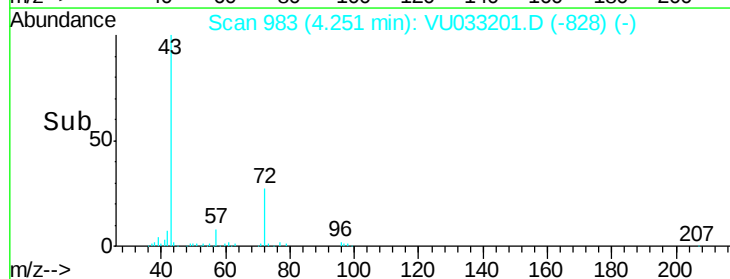
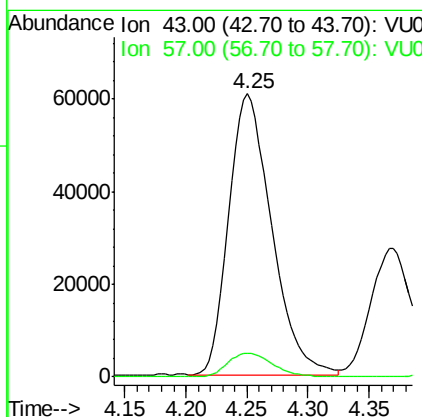
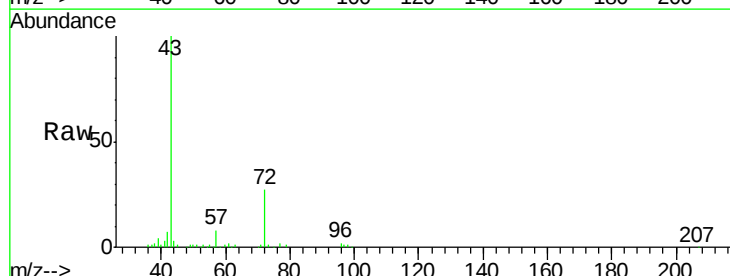
Manual Integrations
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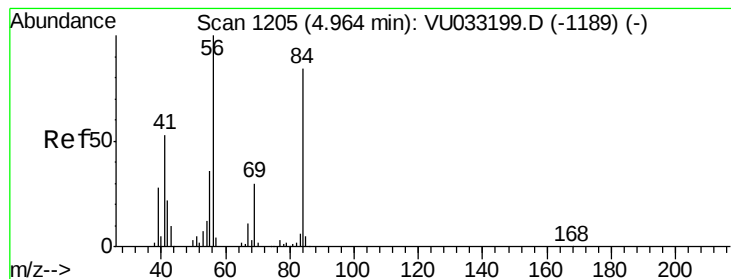
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#18
 2-Butanone
 Concen: 52.367 ug/l
 RT: 4.25 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		148354		
57	8.4	0.0	18.4		





#19

Cyclohexane

Concen: 11.632 ug/l m

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

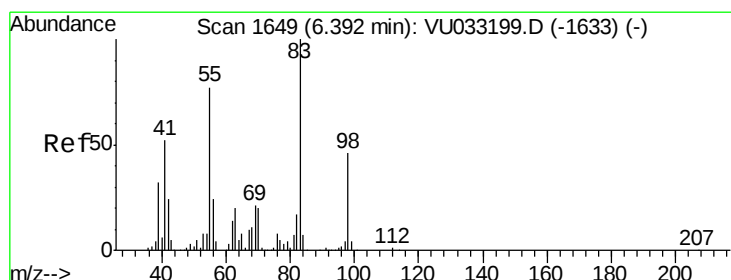
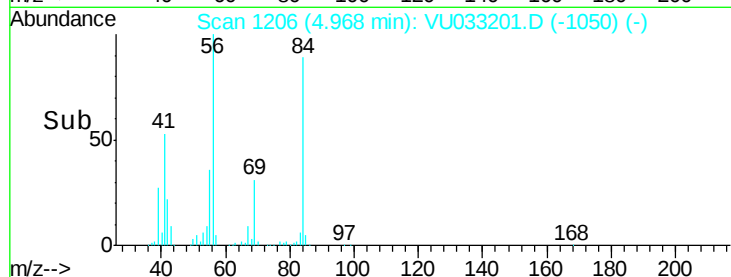
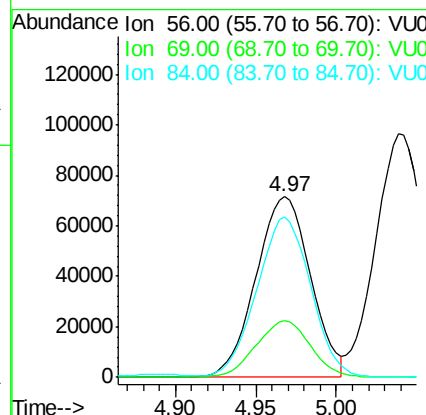
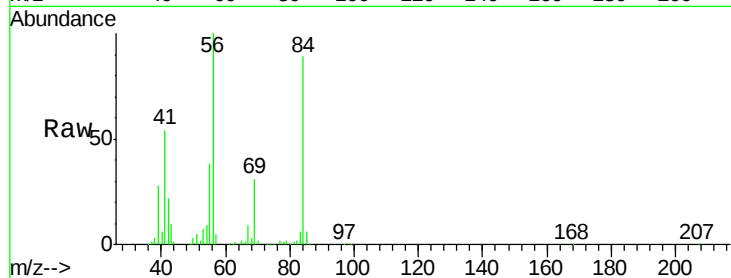
ClientSampleId :

ICVVU071119

Tot Ion:	56	Resp:	168833
Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.6	37.0
84	86.7	67.5	101.3

Manual Integrations
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#20

Methylcyclohexane

Concen: 11.916 ug/l

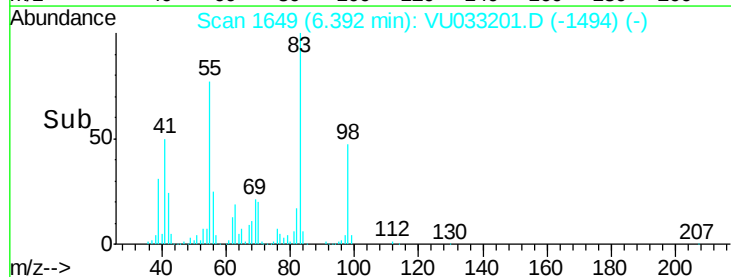
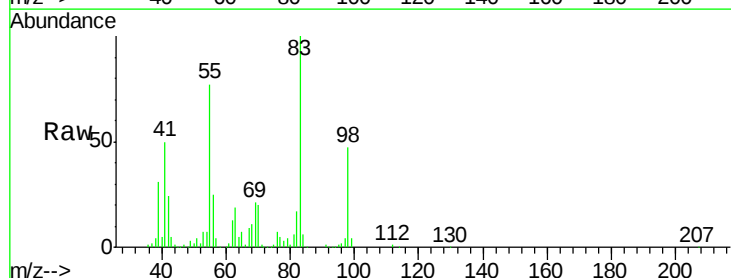
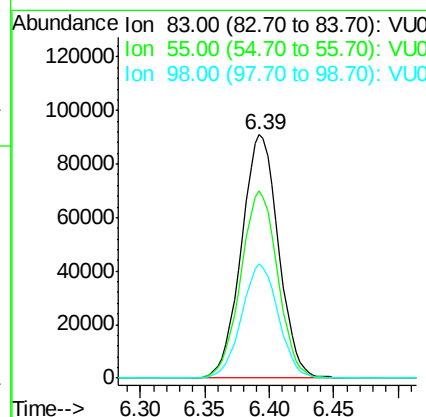
RT: 6.39 min Scan# 1649

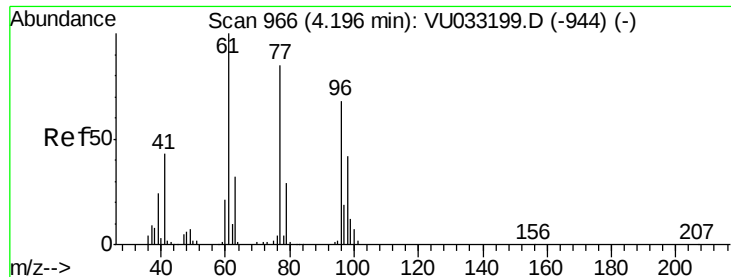
Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Tgt Ion:	83	Resp:	181302
Ion	Ratio	Lower	Upper
83	100		
55	76.5	62.0	93.0
98	46.4	36.3	54.5





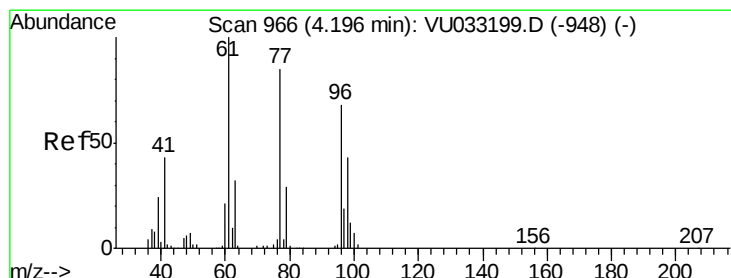
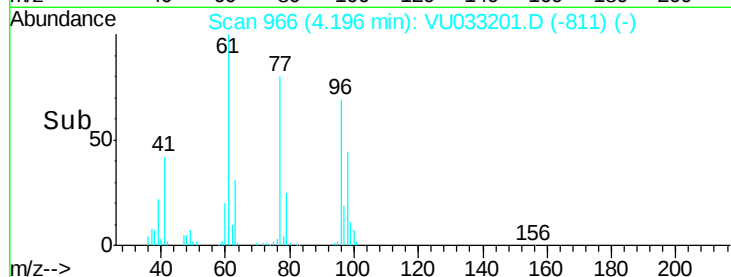
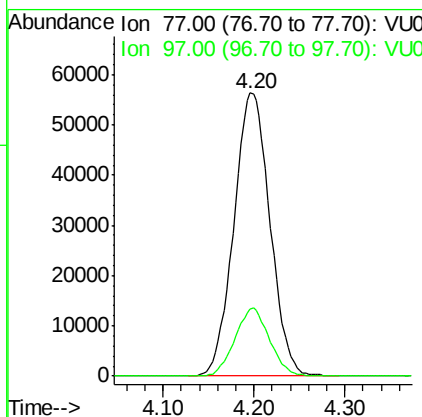
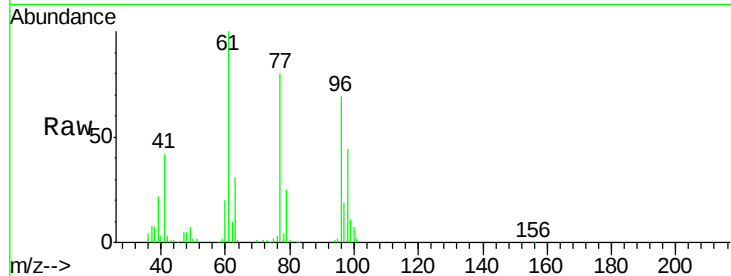
#21
 2,2-Dichloropropane
 Concen: 9.717 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071119

Tot Ion: 77 Resp: 155028
 Ion Ratio Lower Upper
 77 100
 97 23.0 17.6 26.4

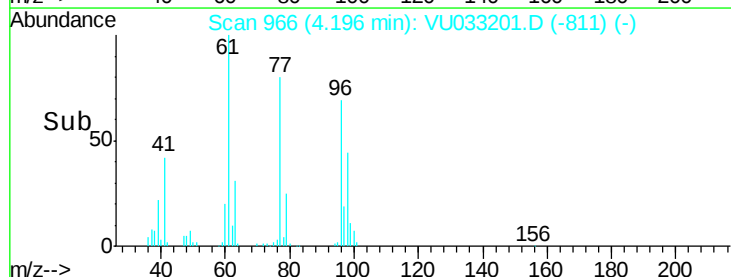
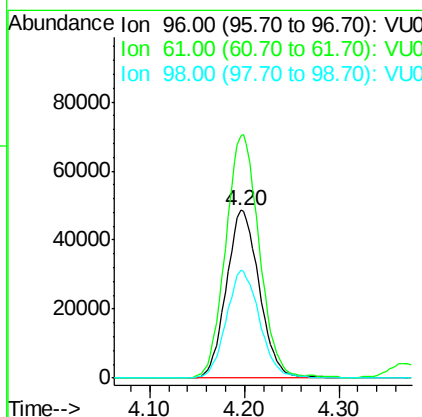
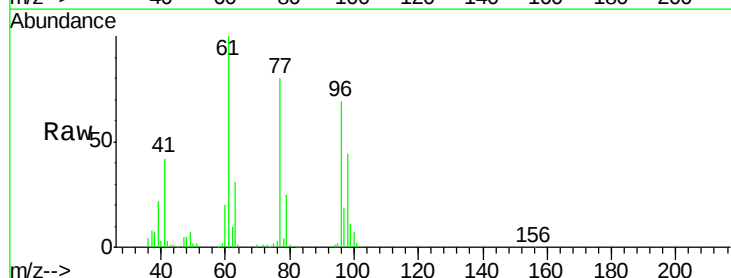
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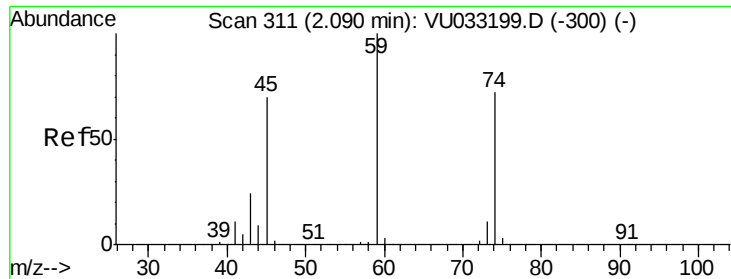
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#22
 cis-1,2-Dichloroethene
 Concen: 10.827 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Tgt Ion: 96 Resp: 117610
 Ion Ratio Lower Upper
 96 100
 61 147.5 0.0 377.3
 98 65.0 32.3 96.8





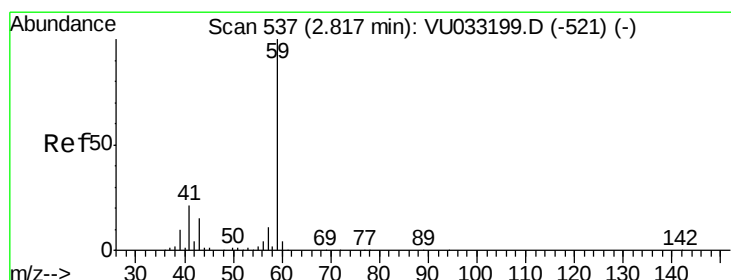
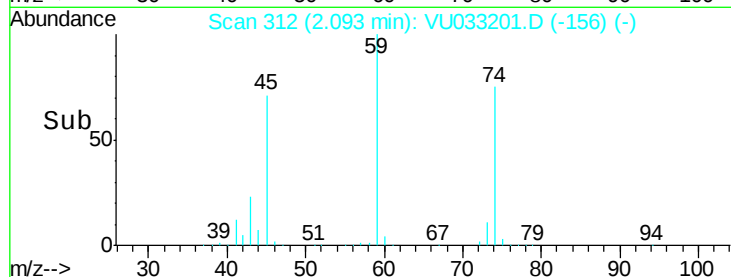
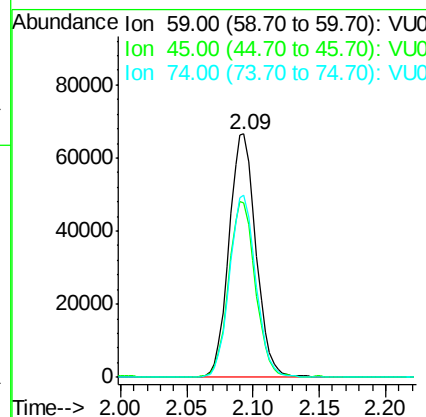
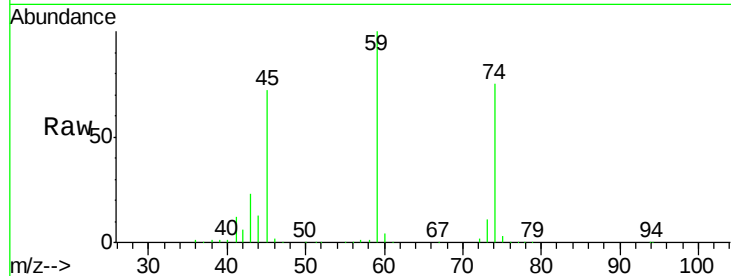
#23
Diethyl Ether
Concen: 9.466 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071119

Tot Ion	Ratio	Lower	Upper
59	100		
45	70.7	55.7	83.5
74	73.0	58.1	87.1

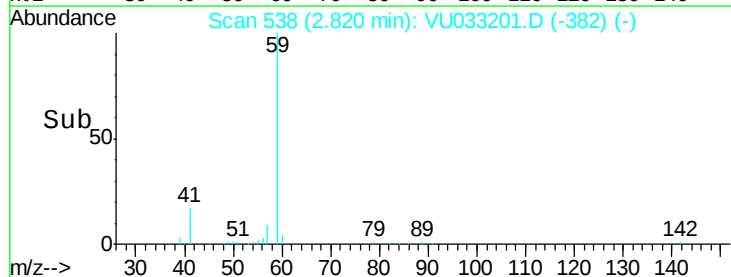
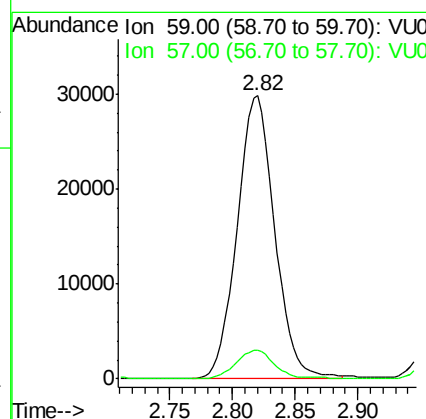
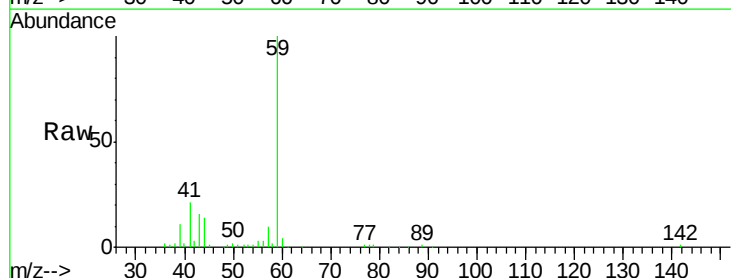
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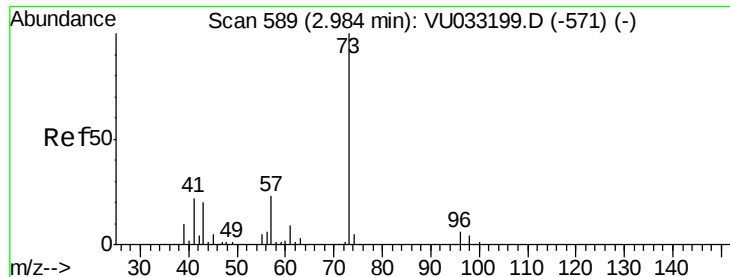
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 51.216 ug/l
RT: 2.82 min Scan# 538
Delta R.T. 0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7





#25

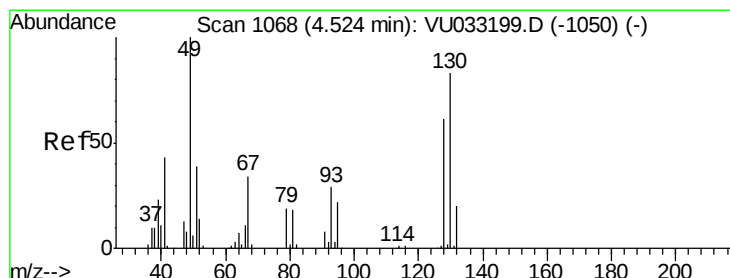
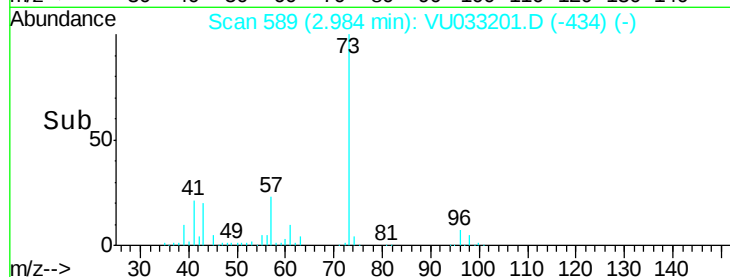
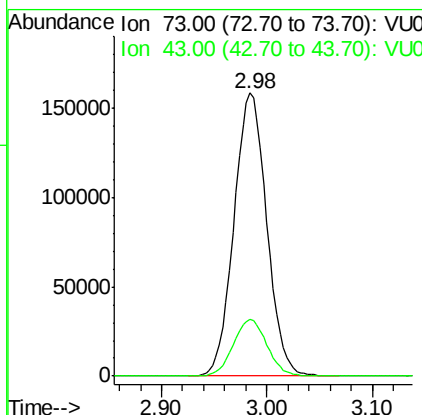
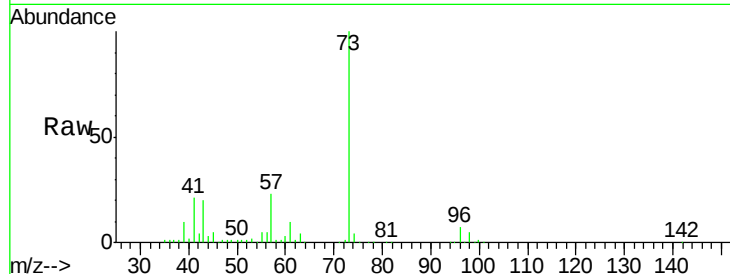
Methyl tert-Butyl Ether
 Concen: 10.268 ug/l
 RT: 2.98 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071119

Tot Ion	73	Resp	341832
Ion Ratio	100	Lower	Upper
73	100	16.1	24.1
43	20.1		

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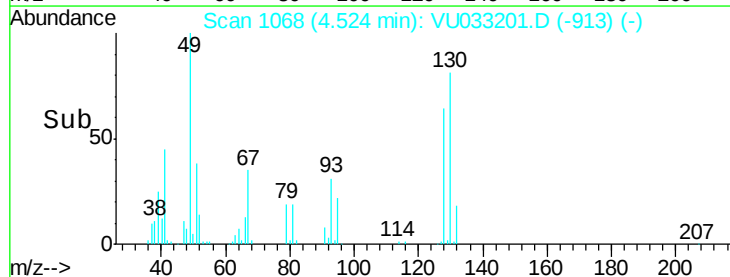
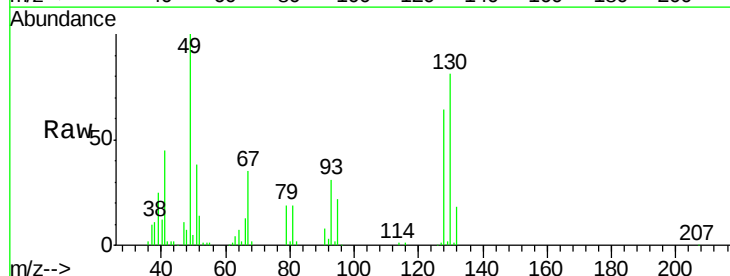
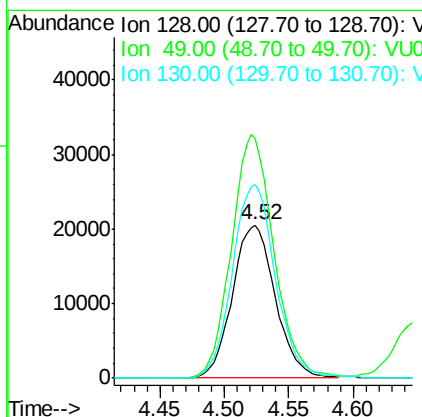
MMDadoda
 7/16/2019 4:03:34 PM

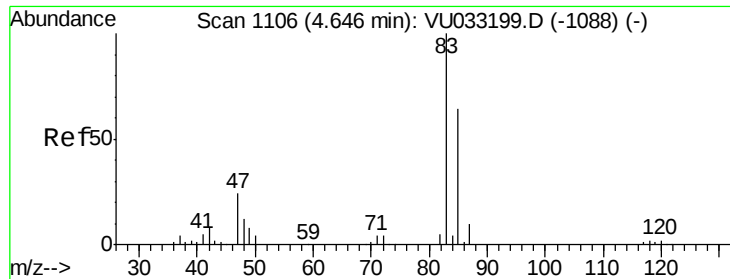


#26

Bromochloromethane
 Concen: 9.862 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Tgt Ion	128	Resp	47455
Ion Ratio	100	Lower	Upper
128	100	0.0	328.6
49	157.5	104.1	156.1
130	127.6		





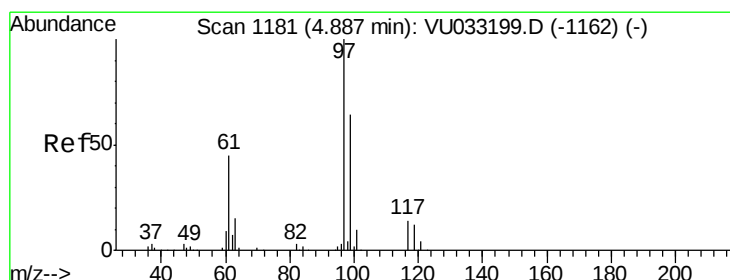
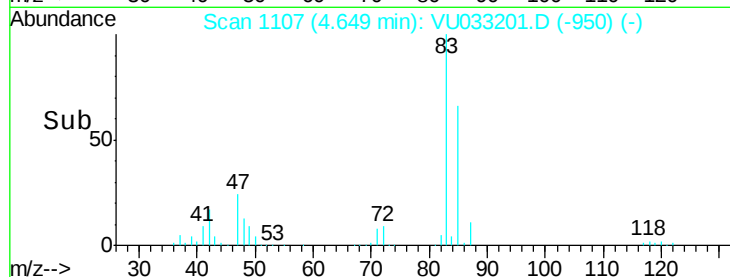
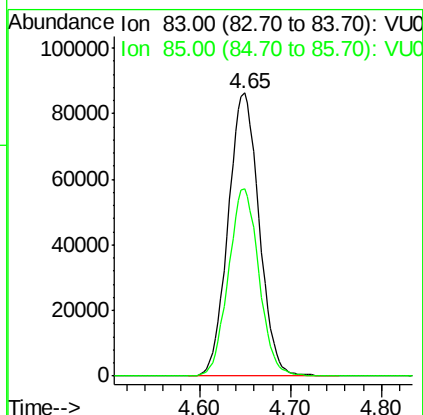
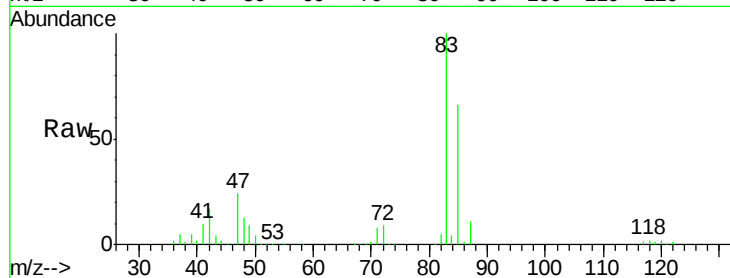
#27
Chloroform
Concen: 9.756 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071119

Tot Ion	83	Resp	204554
Ion Ratio	100	Lower	Upper
85	66.1	0.0	128.4

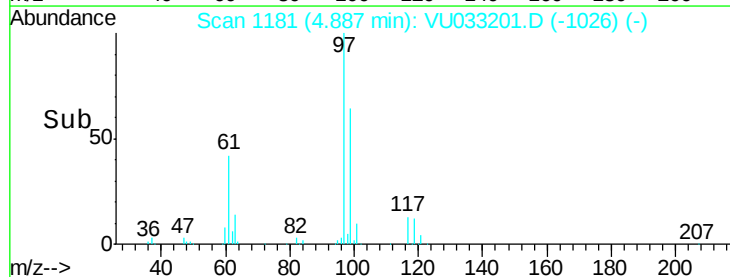
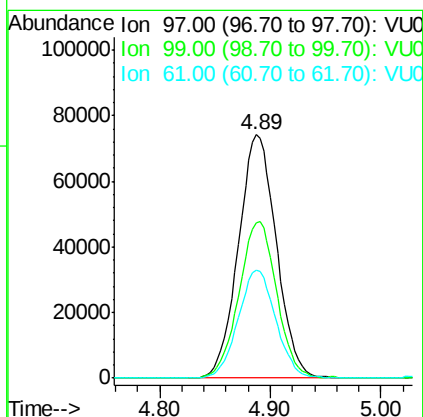
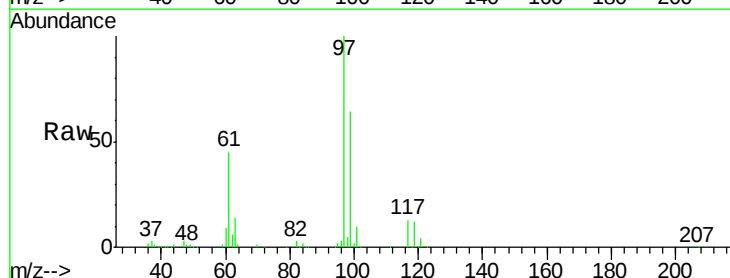
Manual Integrations
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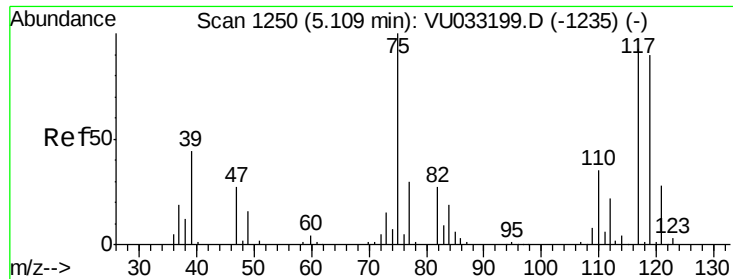
MMDadoda
7/16/2019 4:03:34 PM



#28
1,1,1-Trichloroethane
Concen: 10.669 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Tgt Ion	97	Resp	177099
Ion Ratio	100	Lower	Upper
99	64.0	31.9	95.5
61	44.1	22.6	67.7





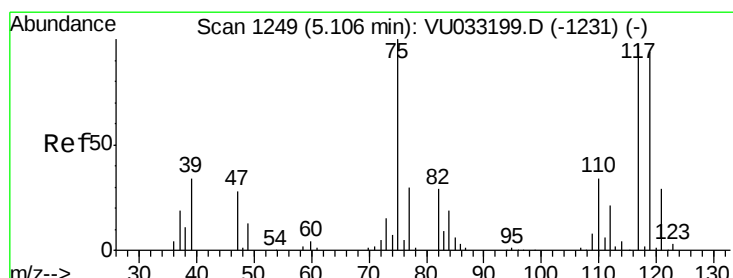
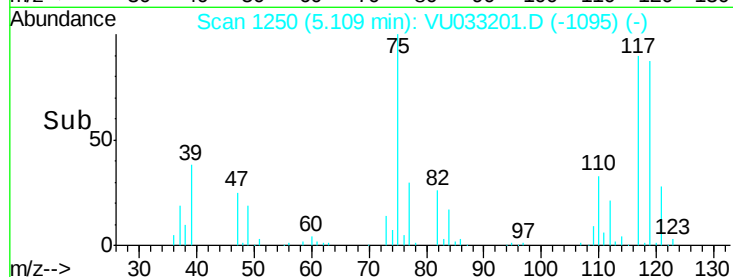
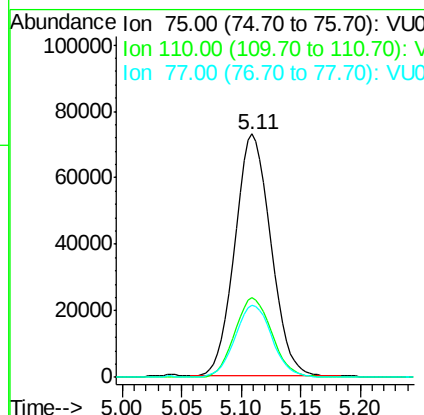
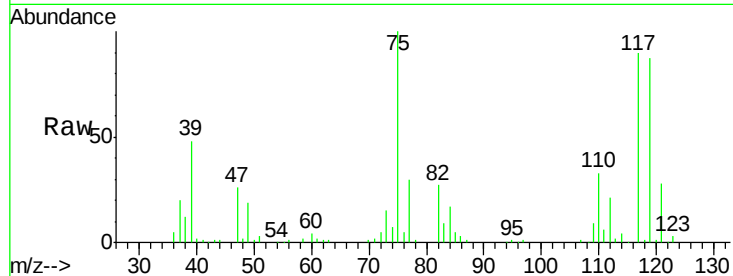
#29
 1,1-Dichloropropene
 Concen: 10.953 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071119

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.5	52.6
77	30.3	24.6	37.0

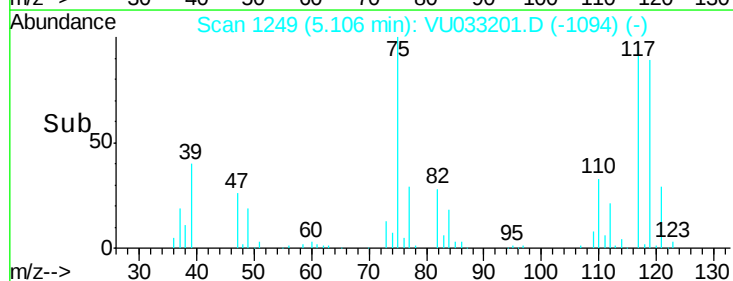
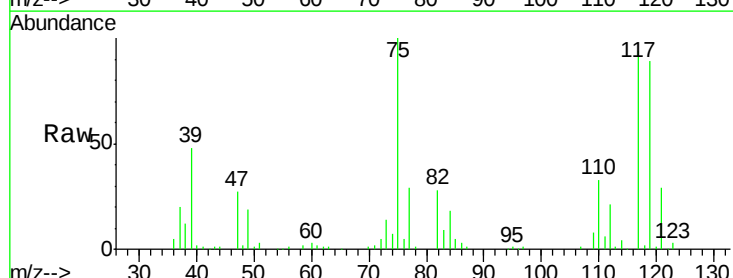
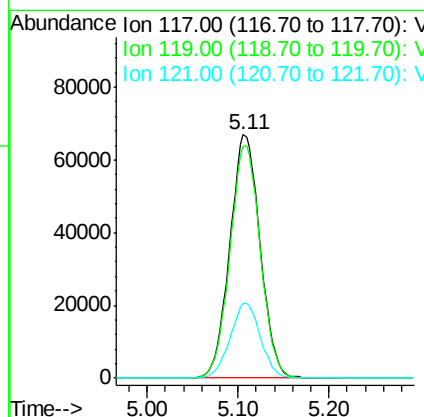
Manual Integrations
 APPROVED

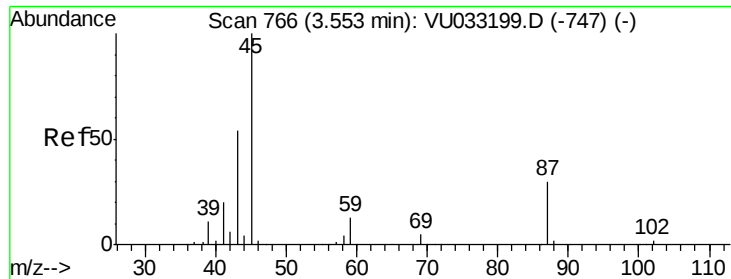
MMDadoda
 7/16/2019 4:03:34 PM



#30
 Carbon Tetrachloride
 Concen: 10.532 ug/l
 RT: 5.11 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.4	116.0
121	30.4	24.2	36.2





#31

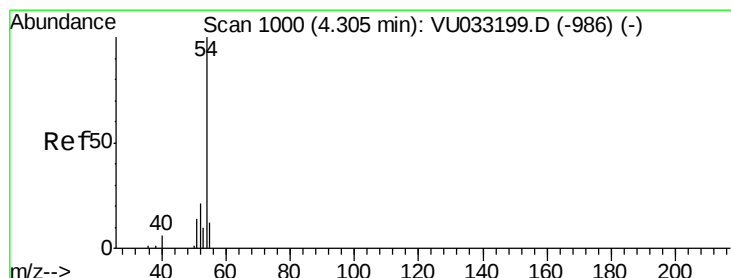
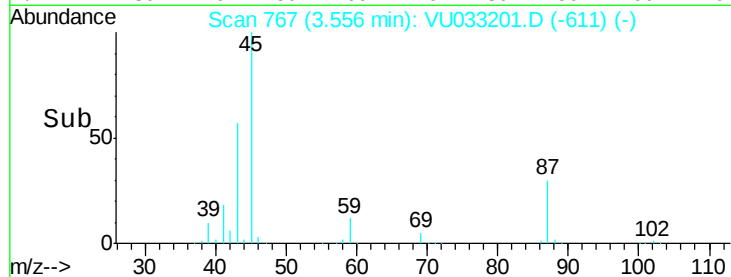
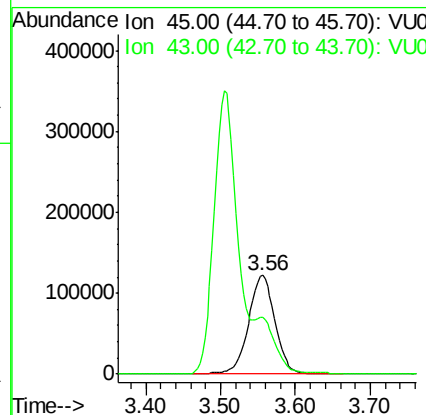
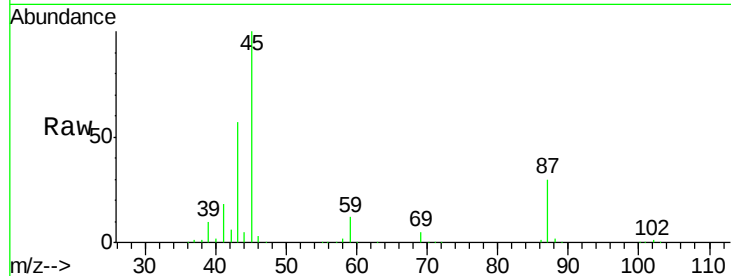
Isopropyl Ether
 Concen: 11.828 ug/l
 RT: 3.56 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071119

Tot Ion	45	Resp	301522
Ion Ratio	100	Lower	Upper
43	251.8	27.3	81.8#

Manual Integrations
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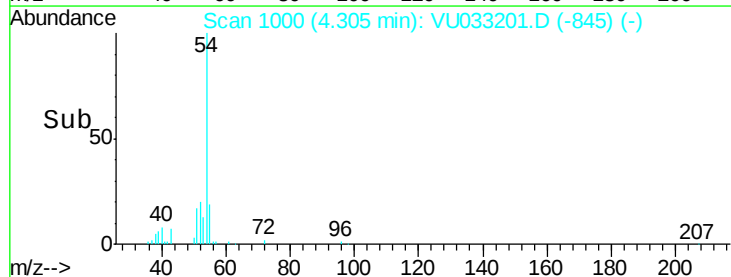
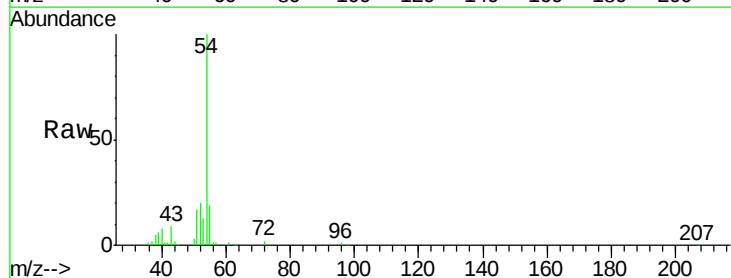
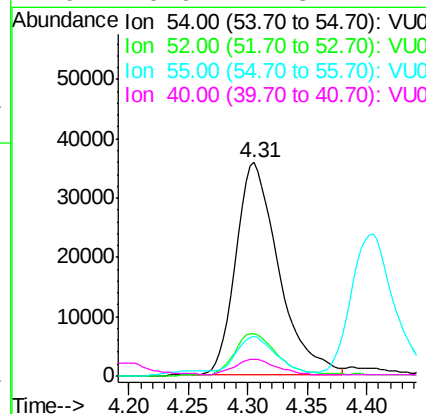
MMDadoda
 7/16/2019 4:03:34 PM

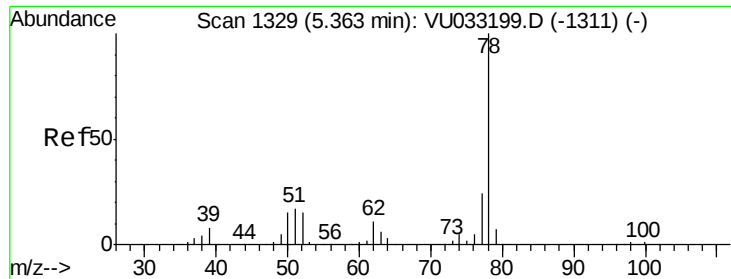


#34

Propionitrile
 Concen: 111.449 ug/l
 RT: 4.31 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Tgt Ion	54	Resp	89456
Ion Ratio	100	Lower	Upper
52	19.6	16.7	25.1
55	16.4	12.9	19.3
40	6.9	4.8	7.2





#35

Benzene

Concen: 10.813 ug/l

RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071119

Tot Ion: 78 Resp: 441306

Ion Ratio Lower Upper

78 100

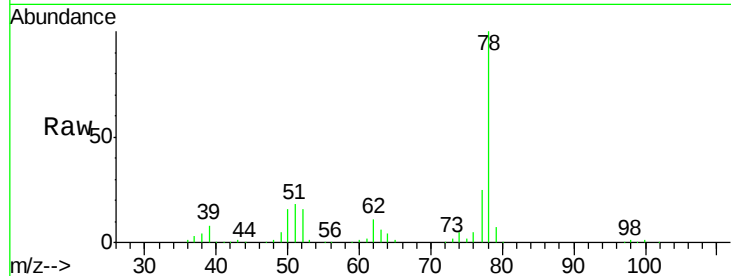
77 24.7 19.3 28.9

Manual Integrations

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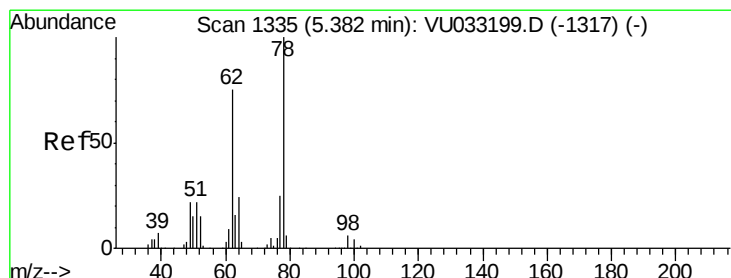
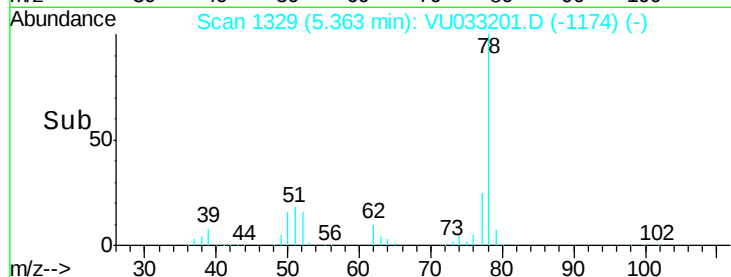
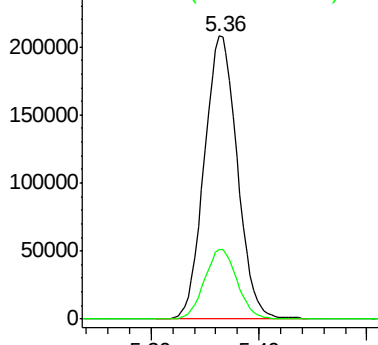
MMDadoda

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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 10.466 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU033201.D

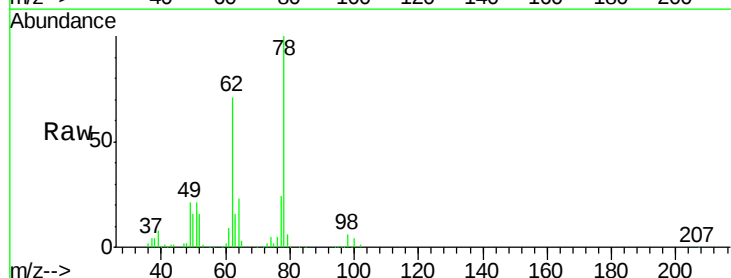
Acq: 11 Jul 2019 20:03

Tgt Ion: 62 Resp: 138266

Ion Ratio Lower Upper

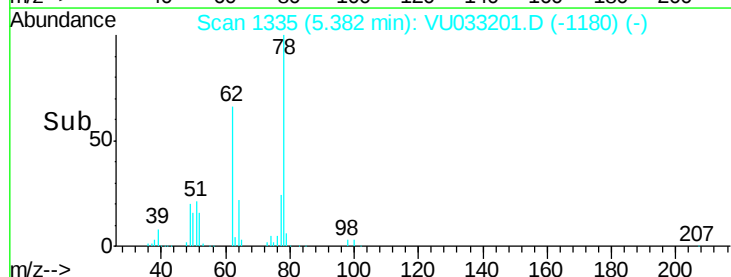
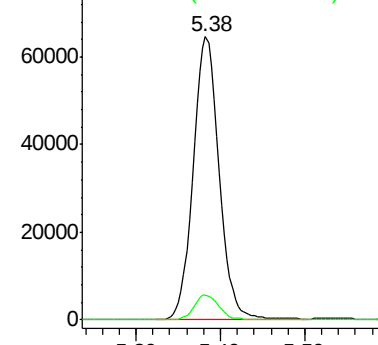
62 100

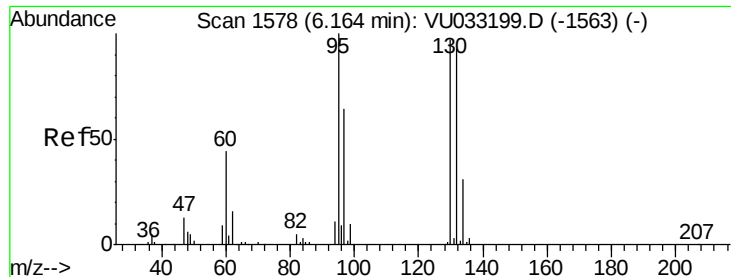
98 8.6 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





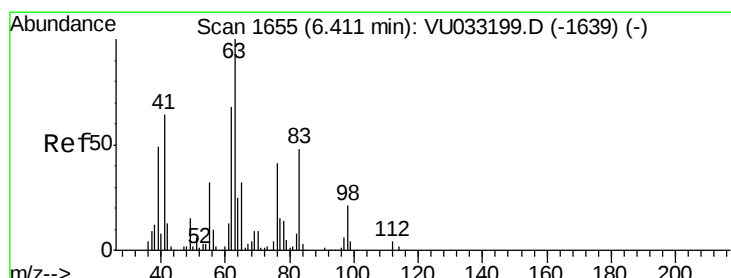
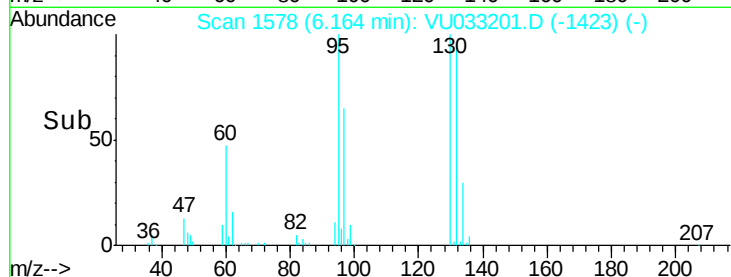
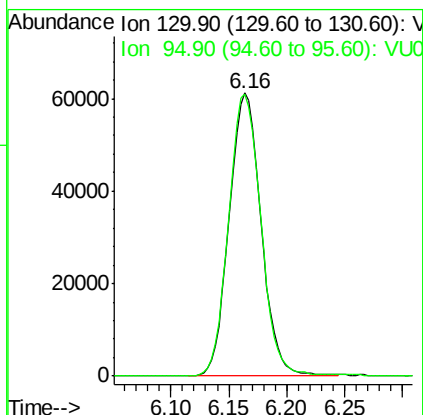
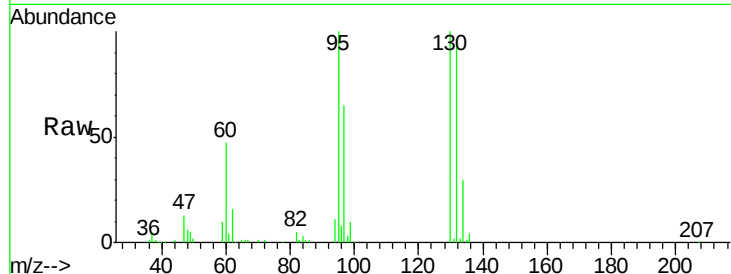
#37
 Trichloroethene
 Concen: 10.925 ug/l
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071119

Tot Ion	Ratio	Resp	Lower	Upper
130	100	116551		
95	99.6	82.4	123.6	

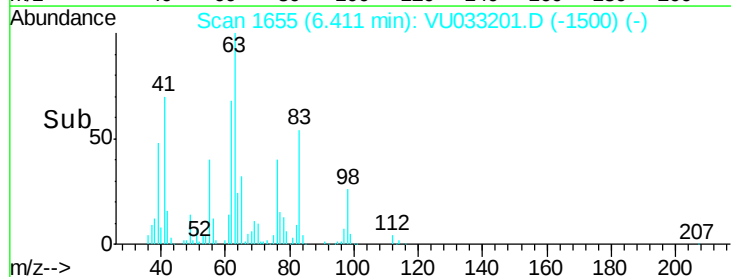
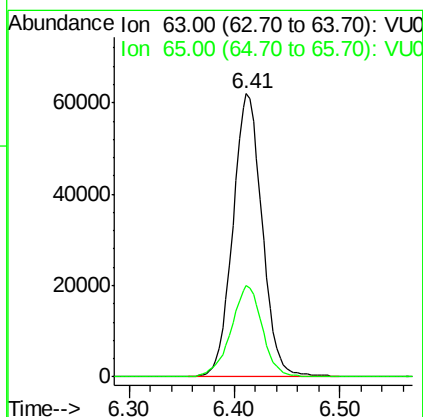
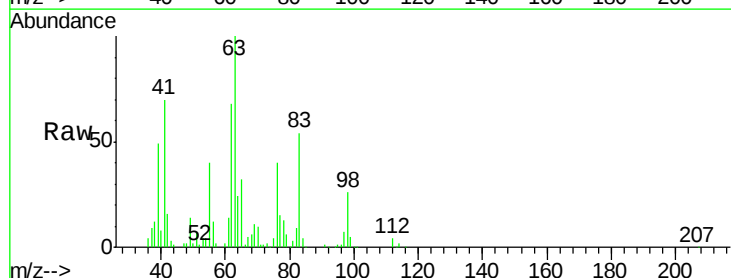
Manual Integrations
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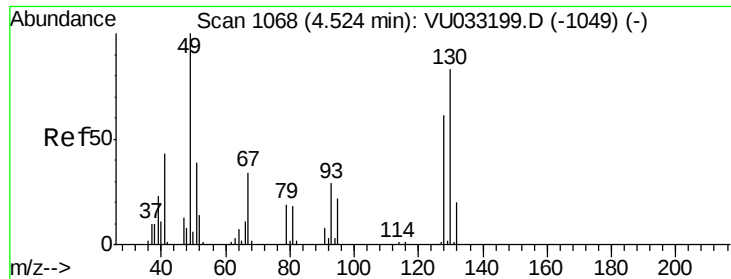
MMDadoda
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#38
 1,2-Dichloropropane
 Concen: 10.808 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	119316		
65	32.1	25.3	37.9	





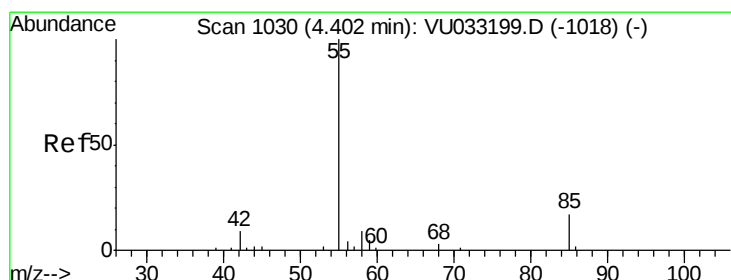
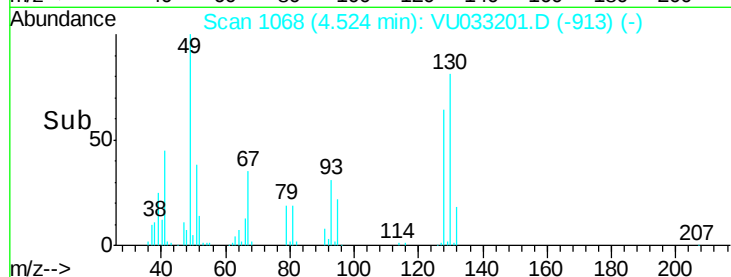
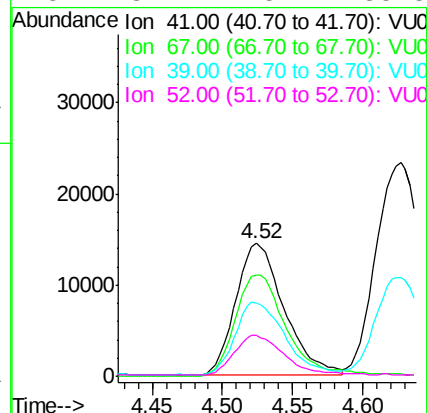
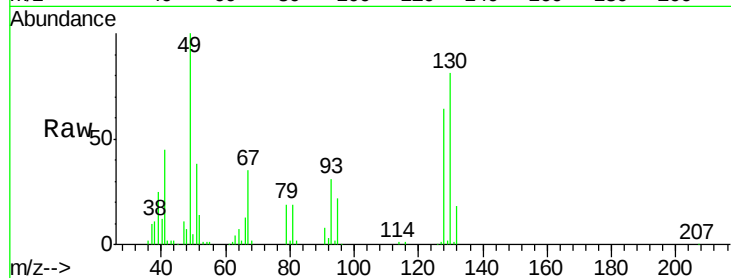
#39
Methacrylonitrile
Concen: 10.400 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071119

Tot Ion	41	Resp	34610
Ion	Ratio	Lower	Upper
41	100		
67	81.3	61.0	91.4
39	56.5	44.4	66.6
52	31.4	25.7	38.5

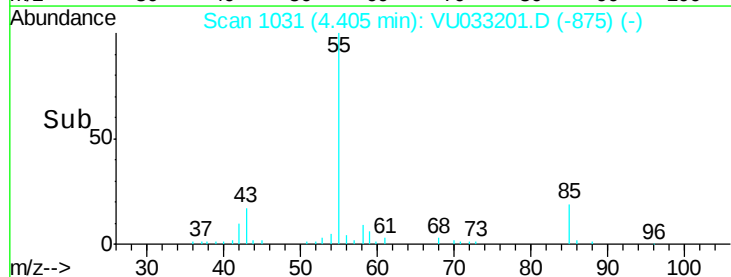
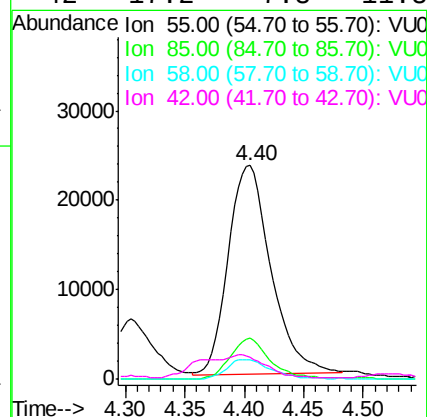
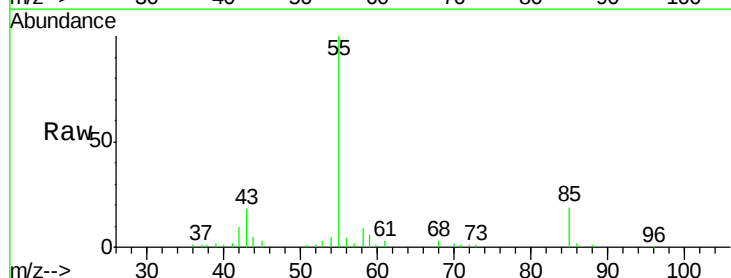
Manual Integrations
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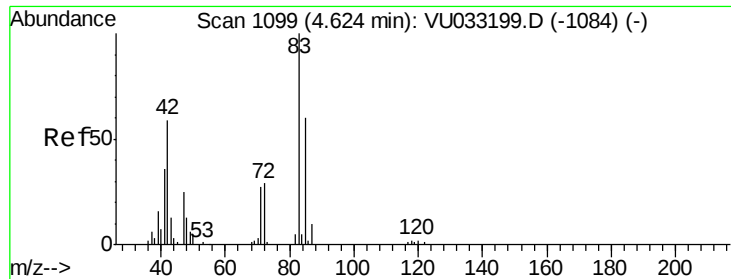
MMDadoda
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#40
Methyl acrylate
Concen: 11.844 ug/l
RT: 4.40 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Tgt Ion	55	Resp	58365
Ion	Ratio	Lower	Upper
55	100		
85	17.8	13.0	19.6
58	9.5	7.0	10.4
42	17.2	7.8	11.8#





#41

Tetrahydrofuran

Concen: 55.696 ug/l

RT: 4.63 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

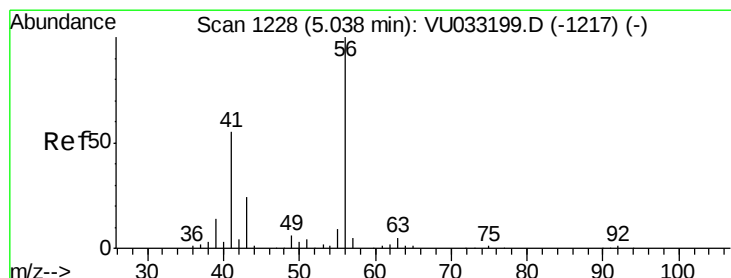
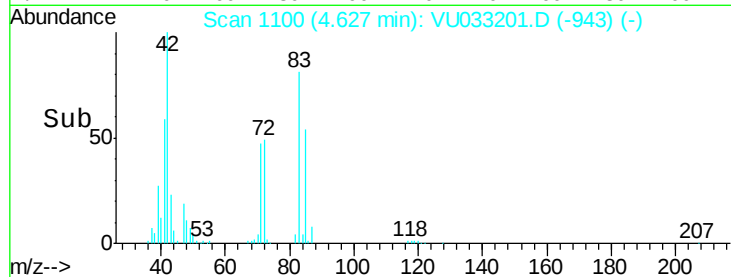
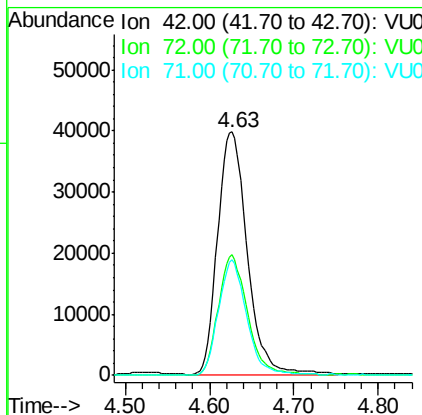
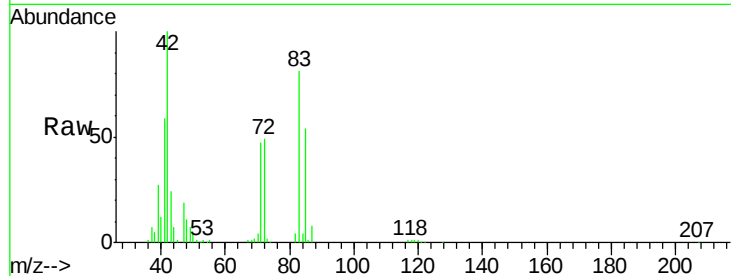
ClientSampleId :

ICVVU071119

Tot Ion:	42	Resp:	97232
Ion	Ratio	Lower	Upper
42	100		
72	49.2	40.7	61.1
71	44.8	35.4	53.0

Manual Integrations
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#42

1-Chlorobutane

Concen: 10.901 ug/l

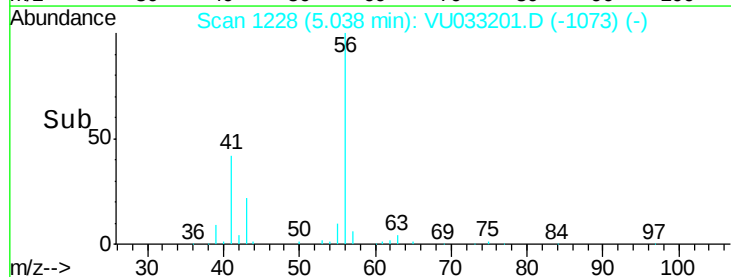
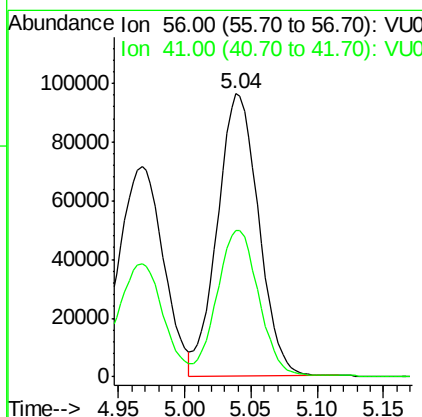
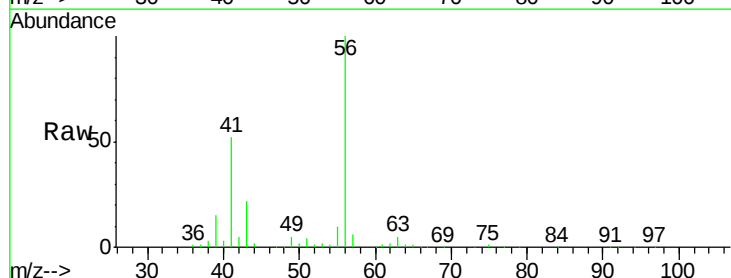
RT: 5.04 min Scan# 1228

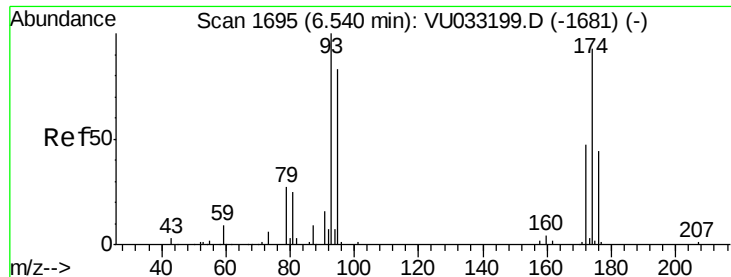
Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Tgt Ion:	56	Resp:	207251
Ion	Ratio	Lower	Upper
56	100		
41	51.8	26.5	79.4





#43

Dibromomethane

Concen: 10.593 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

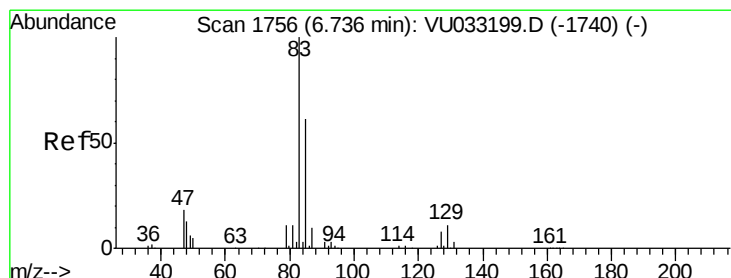
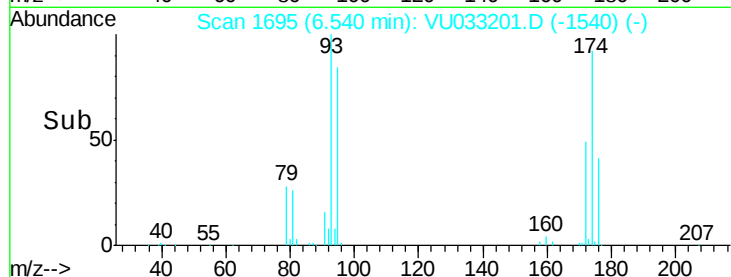
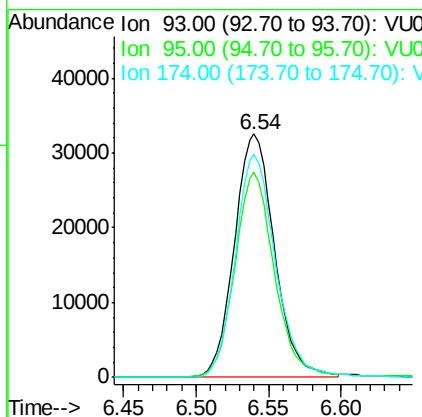
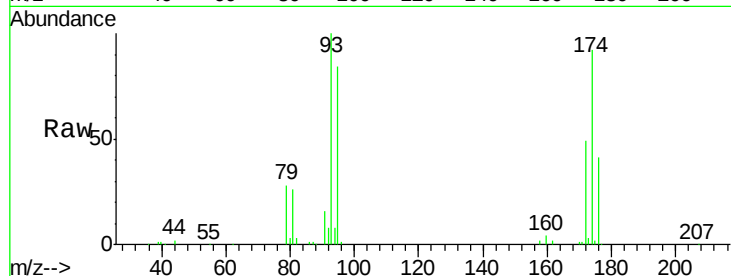
ClientSampleId :

ICVVU071119

Tot Ion:	93	Resp:	62528
Ion	Ratio	Lower	Upper
93	100		
95	83.3	67.5	101.3
174	92.4	74.2	111.2

Manual Integrations
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#44

Bromodichloromethane

Concen: 10.596 ug/l

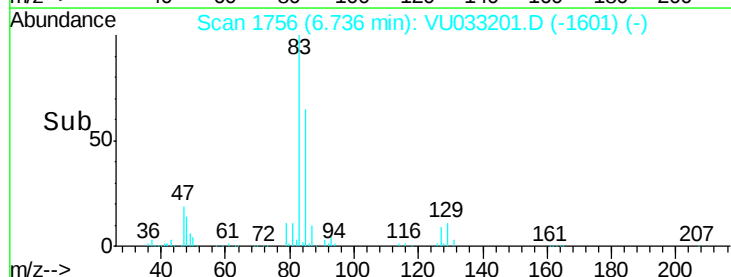
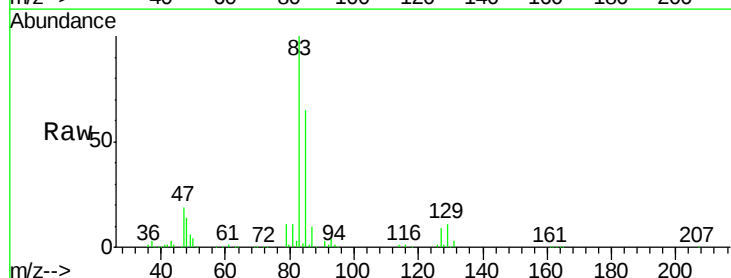
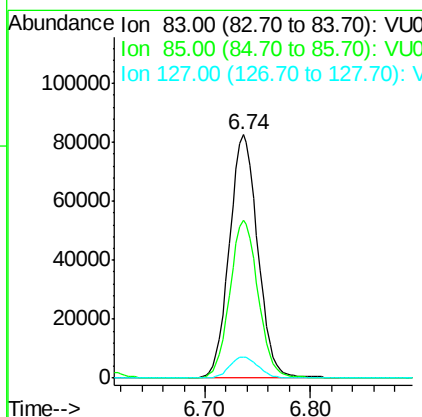
RT: 6.74 min Scan# 1756

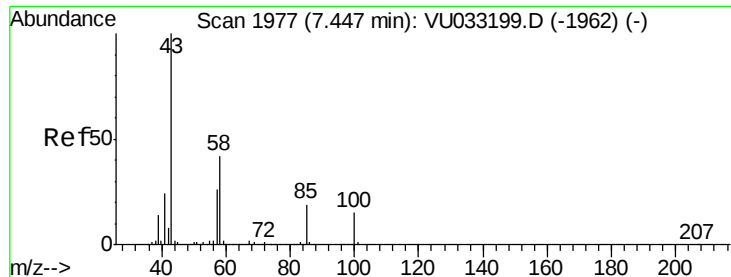
Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Tgt Ion:	83	Resp:	154148
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.1	73.7
127	8.8	6.6	9.8





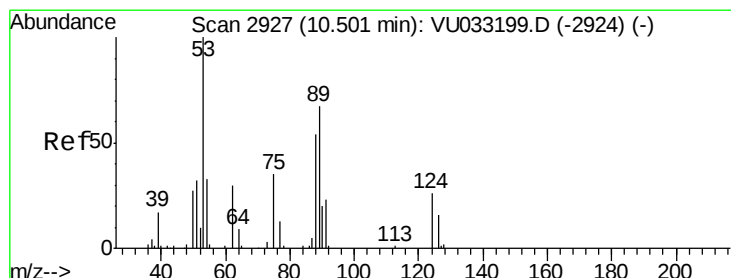
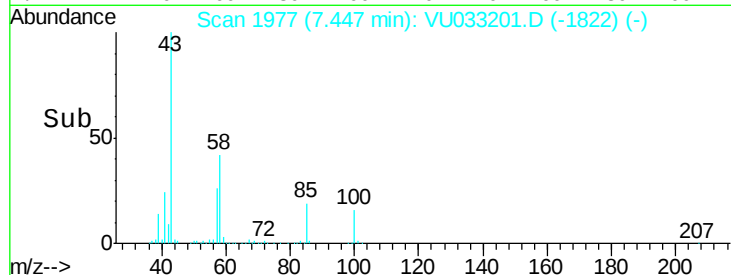
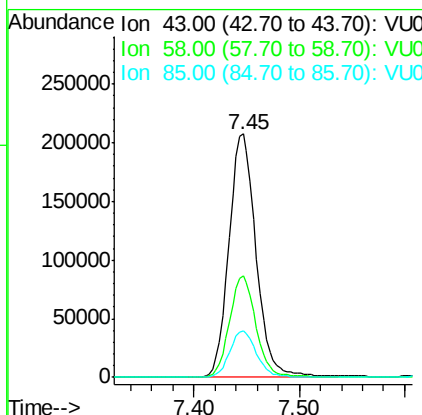
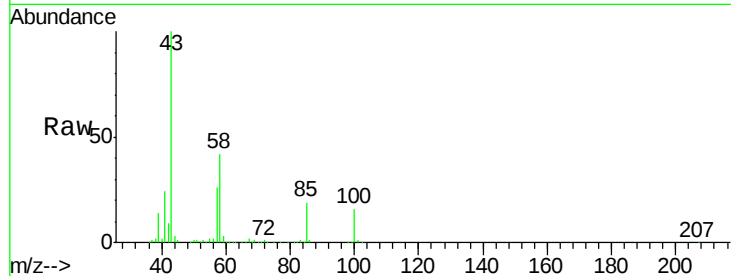
#45
4-Methyl-2-Pentanone
Concen: 55.678 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. -0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071119

Tot Ion	Ratio	Resp	Lower	Upper
43	100	370128		
58	40.7		20.4	61.2
85	18.8		14.7	22.1

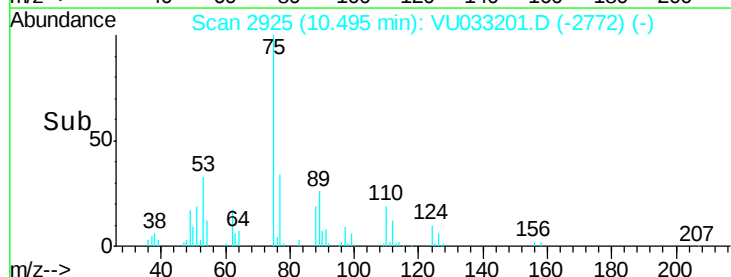
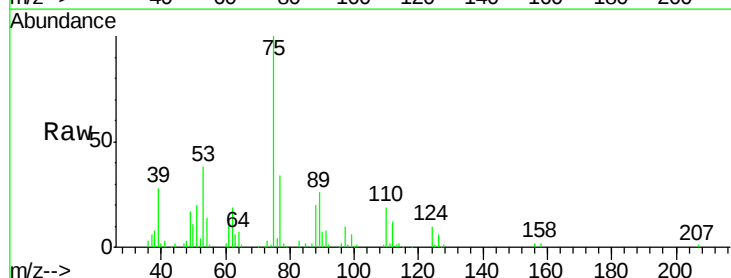
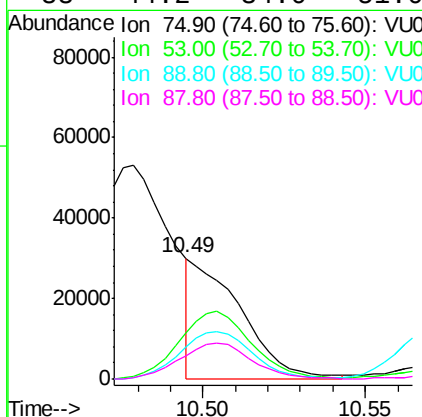
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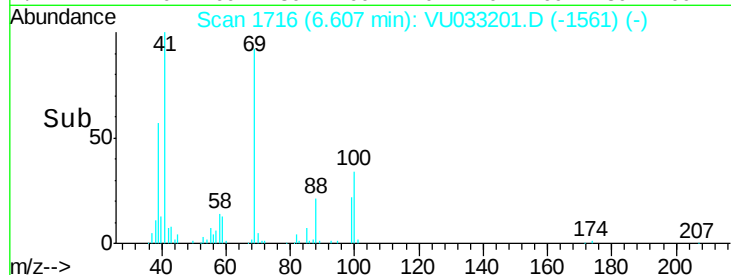
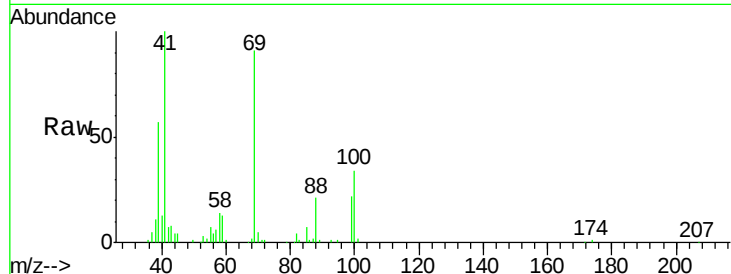
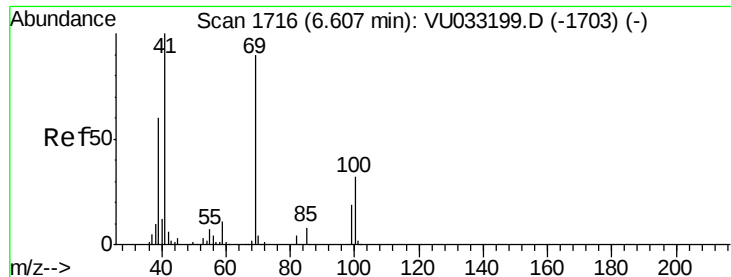
MMDadoda
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#46
t-1,4-Dichloro-2-butene
Concen: 11.137 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. -0.01 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31523		
53	82.5		63.8	95.6
89	58.2		44.0	66.0
88	44.2		34.0	51.0





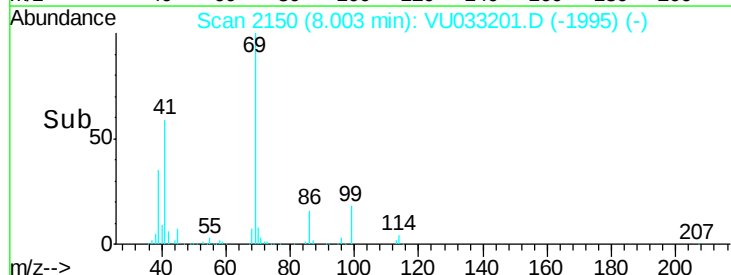
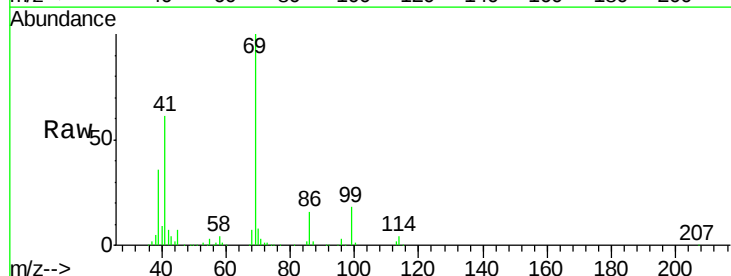
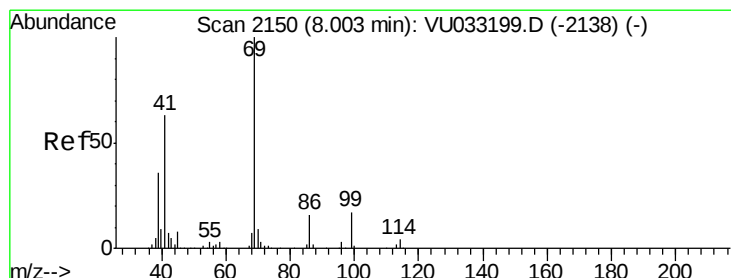
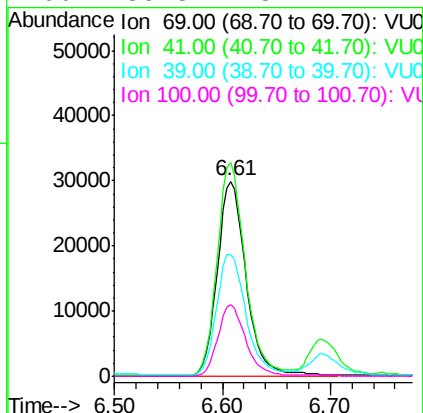
#47
Methyl methacrylate
Concen: 11.699 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. -0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Tot Ion	Ratio	Lower	Upper
69	100		
41	105.4	0.0	217.0
39	62.9	52.1	78.1
100	35.3	28.2	42.4

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071119

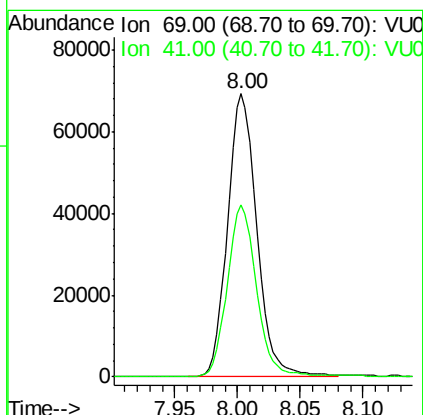
Manual Integrations
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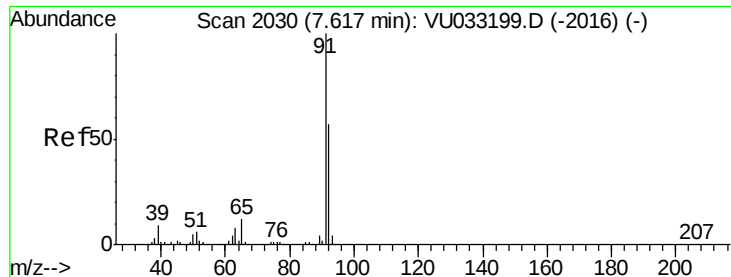
MMDadoda
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#48
Ethyl methacrylate
Concen: 12.514 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. -0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.5	31.3	93.8





#49

Toluene

Concen: 11.681 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071119

Tot Ion: 92 Resp: 281230

Ion Ratio Lower Upper

92 100

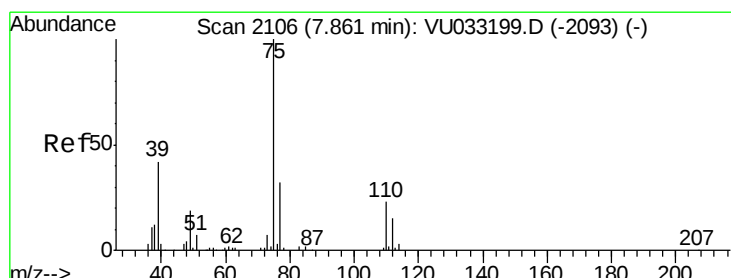
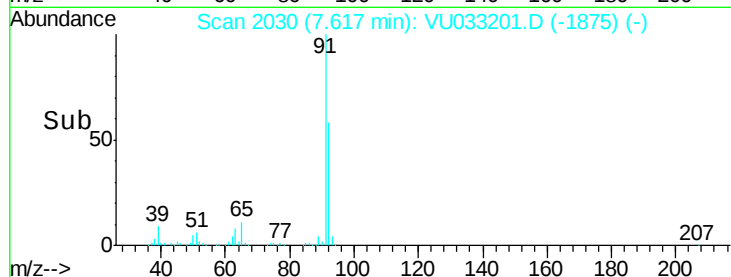
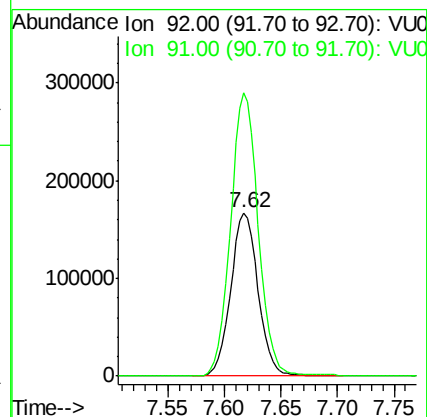
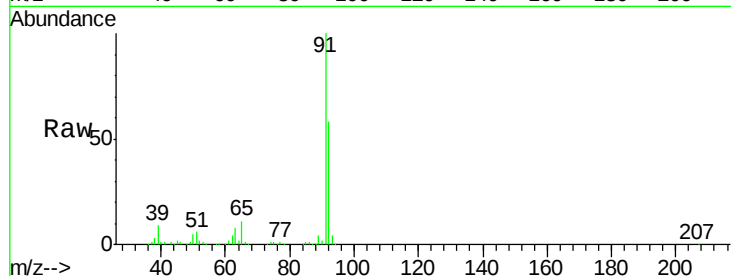
91 174.7 141.2 211.8

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 11.764 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033201.D

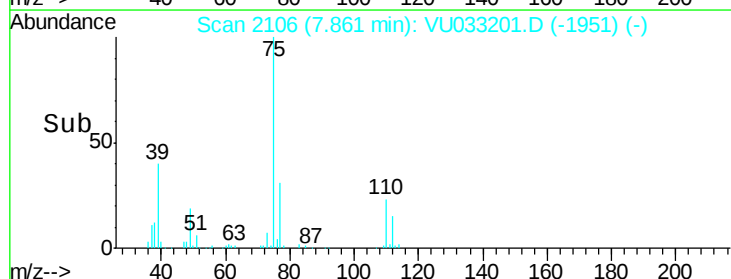
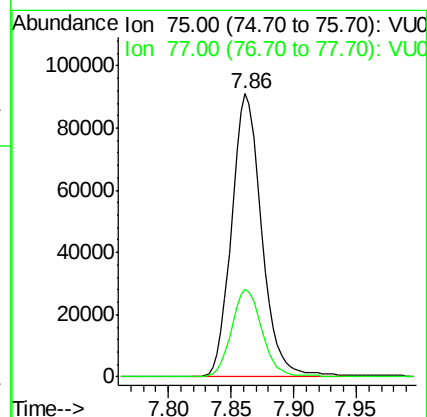
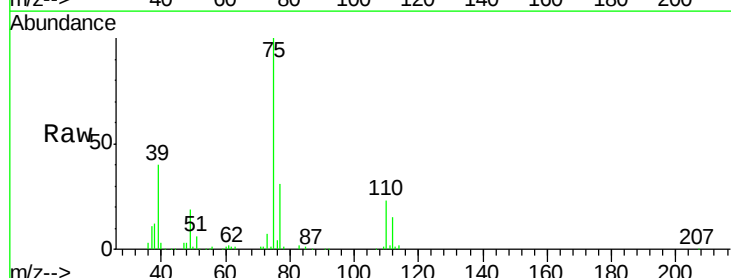
Acq: 11 Jul 2019 20:03

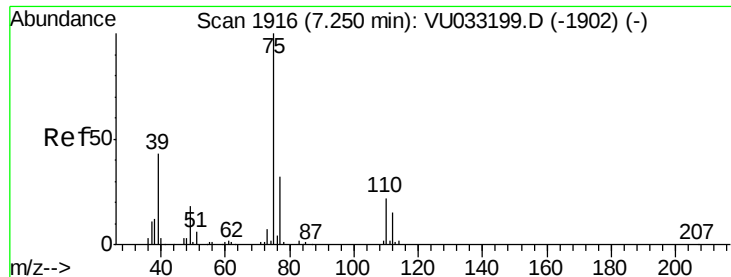
Tgt Ion: 75 Resp: 151822

Ion Ratio Lower Upper

75 100

77 30.7 25.2 37.8





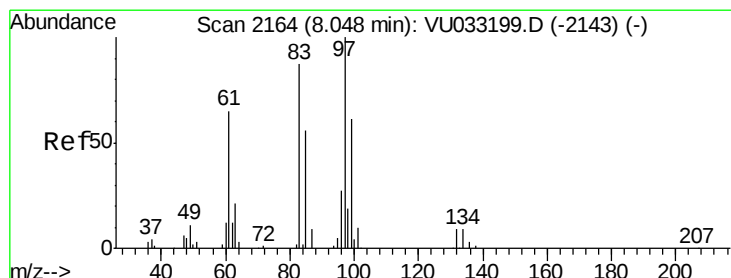
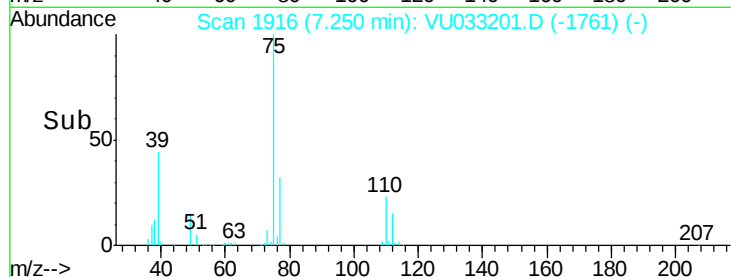
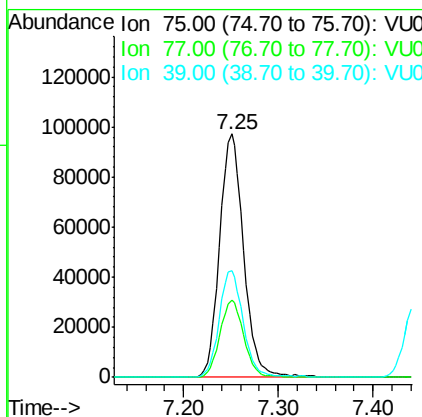
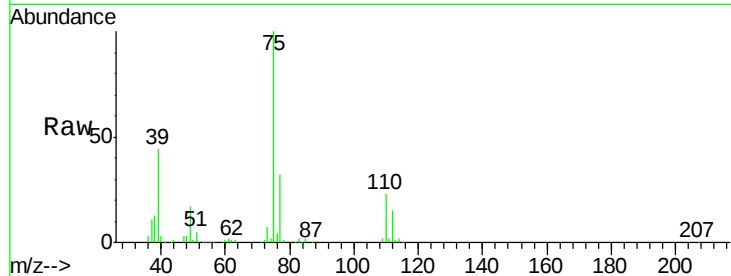
#51
 cis-1,3-Dichloropropene
 Concen: 11.529 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071119

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	43.8	34.5	51.7

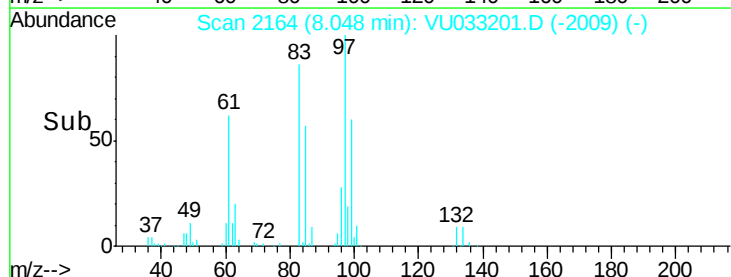
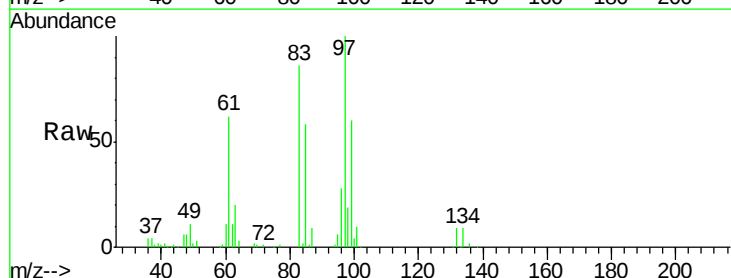
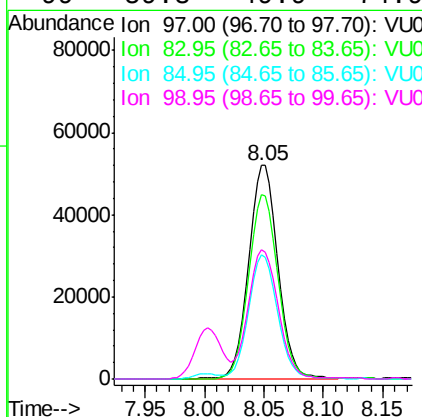
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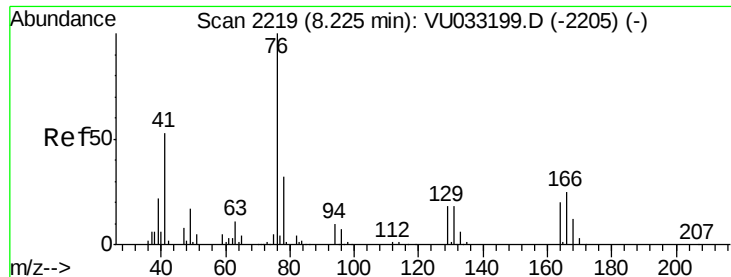
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#52
 1,1,2-Trichloroethane
 Concen: 10.877 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.9	104.9
85	57.6	45.2	67.8
99	59.8	49.9	74.9





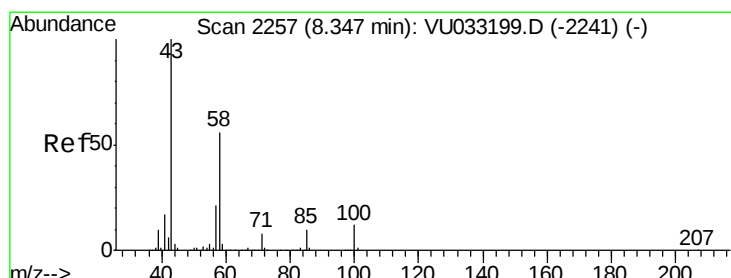
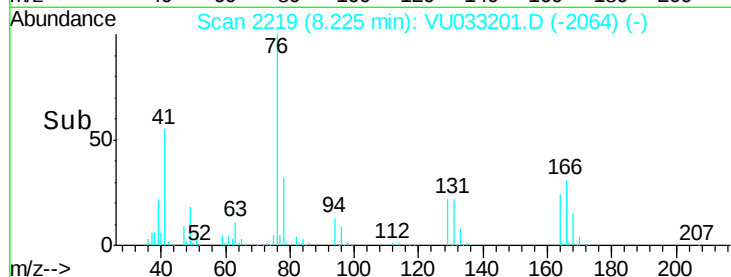
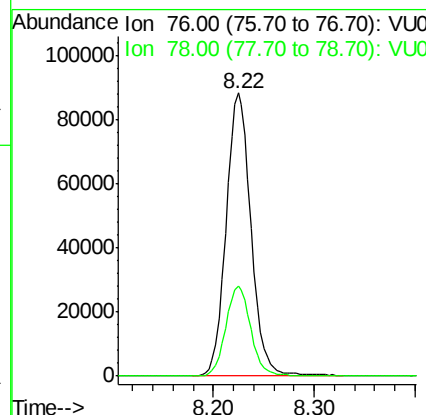
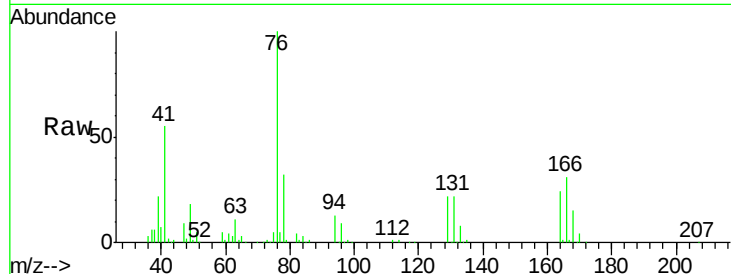
#53
 1,3-Dichloropropane
 Concen: 10.934 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071119

Tot Ion: 76 Resp: 151864
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.9 38.9

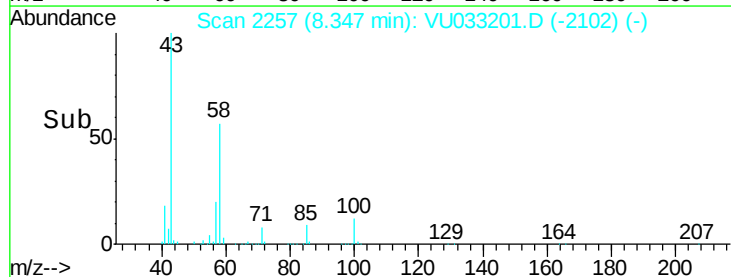
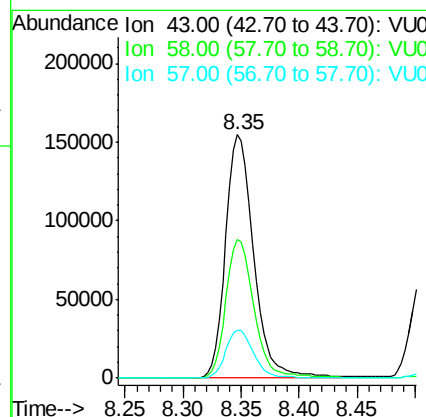
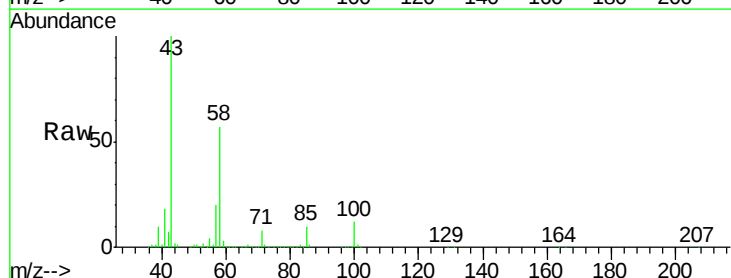
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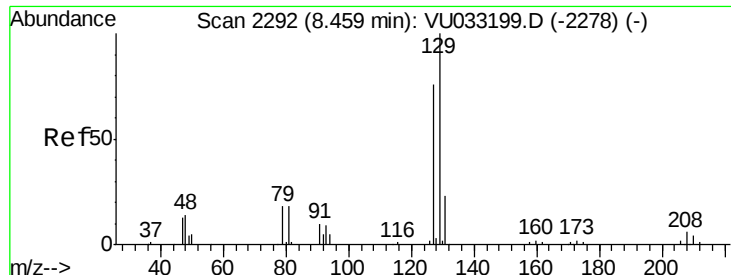
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#54
 2-Hexanone
 Concen: 56.017 ug/l
 RT: 8.35 min Scan# 2257
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Tgt Ion: 43 Resp: 260259
 Ion Ratio Lower Upper
 43 100
 58 57.3 35.8 75.8
 57 19.6 0.2 40.2





#55

Dibromochloromethane

Concen: 11.244 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071119

Tot Ion:129 Resp: 106637

Ion Ratio Lower Upper

129 100

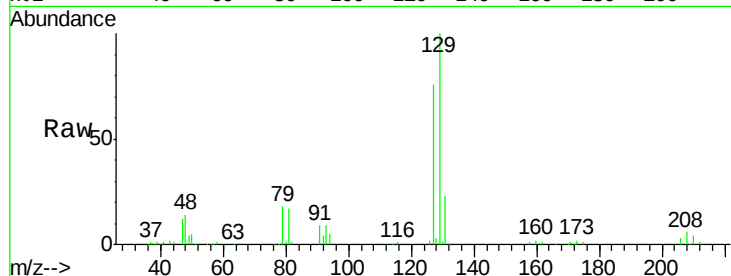
127 76.0 62.9 94.3

Manual Integrations

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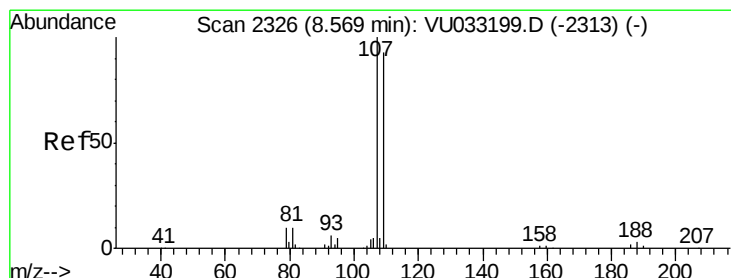
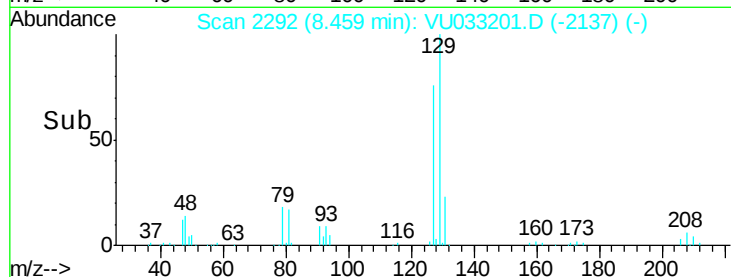
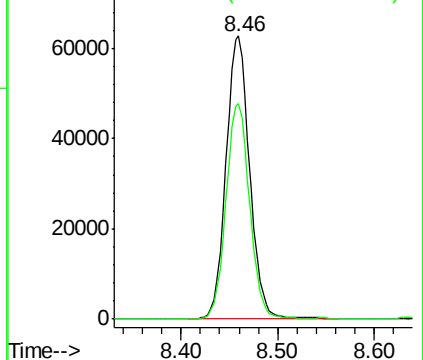
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 11.390 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU033201.D

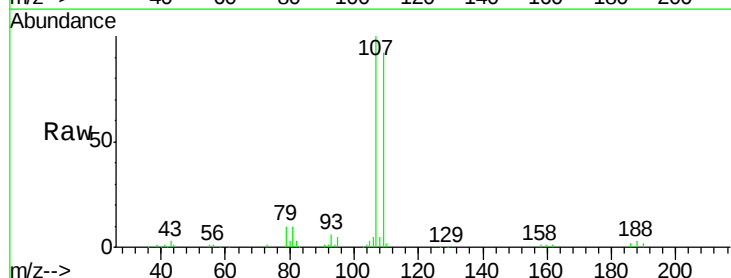
Acq: 11 Jul 2019 20:03

Tgt Ion:107 Resp: 86350

Ion Ratio Lower Upper

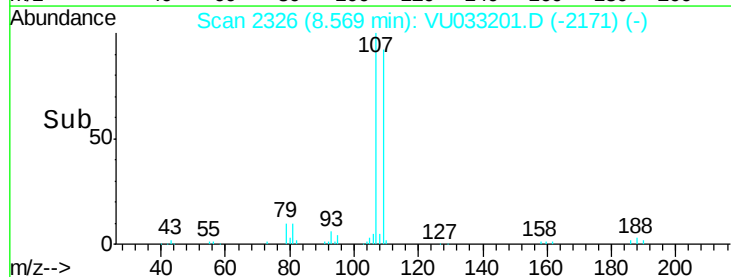
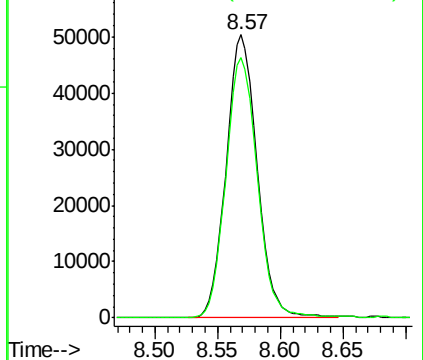
107 100

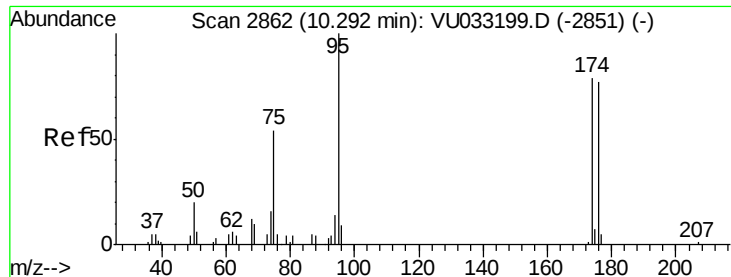
109 94.1 0.0 189.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 1.074 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

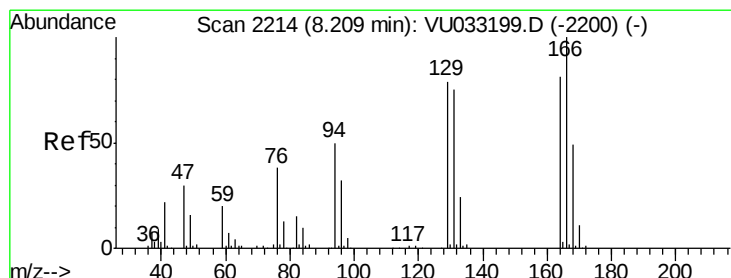
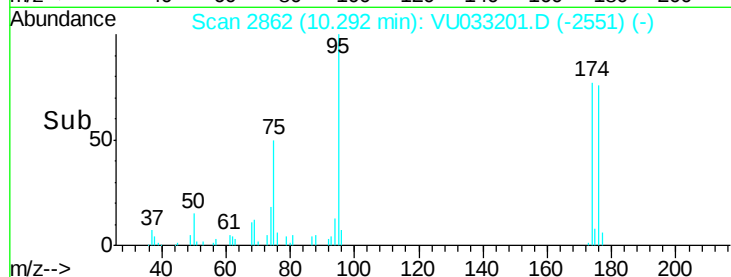
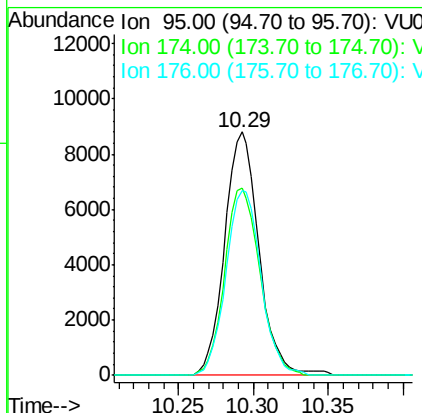
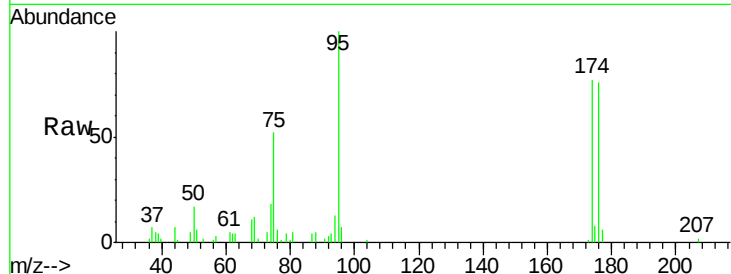
ClientSampleId :

ICVVU071119

Tot Ion:	95	Resp:	14053
Ion Ratio	Lower	Upper	
95	100		
174	79.1	63.8	95.8
176	77.4	64.5	96.7

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#58

Tetrachloroethene

Concen: 10.950 ug/l

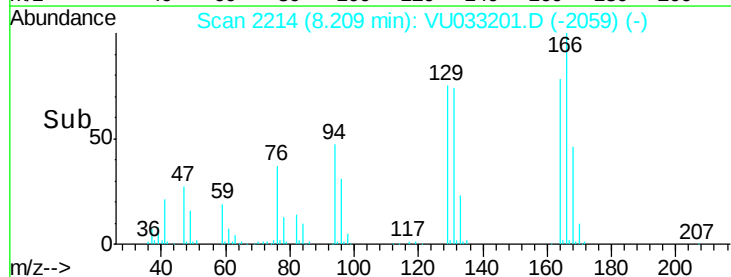
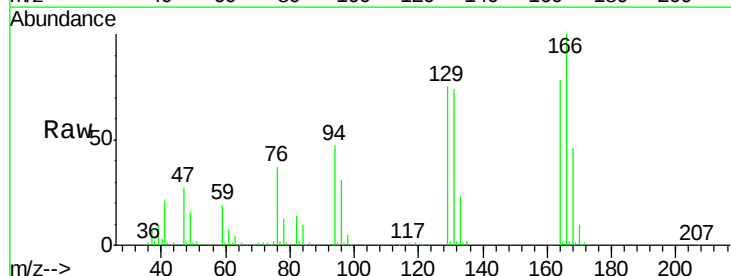
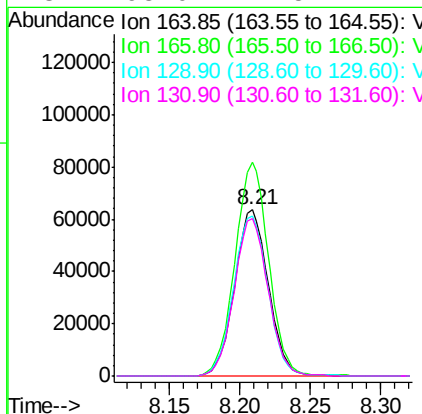
RT: 8.21 min Scan# 2214

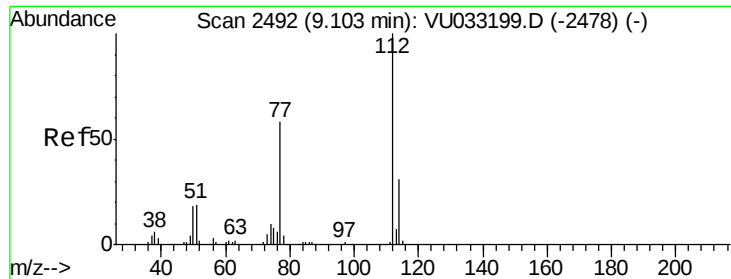
Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Tgt Ion:	164	Resp:	106745
Ion Ratio	Lower	Upper	
164	100		
166	128.8	99.3	148.9
129	96.5	78.0	117.0
131	95.0	74.5	111.7





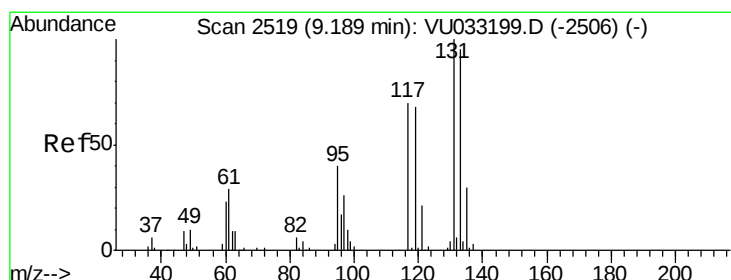
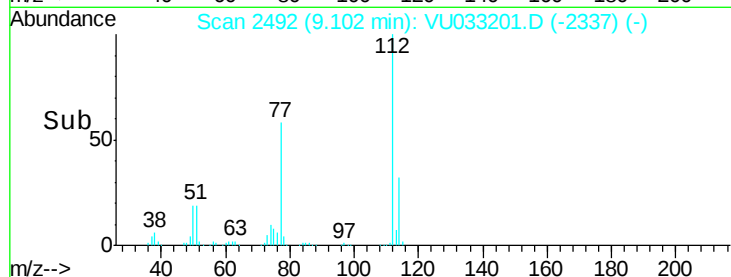
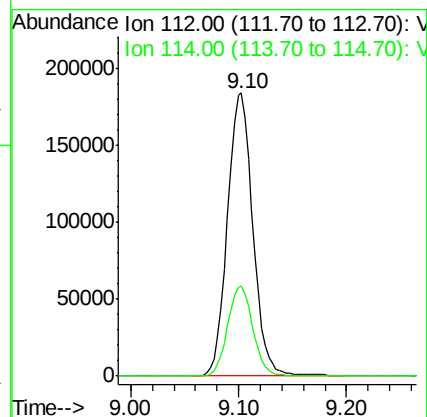
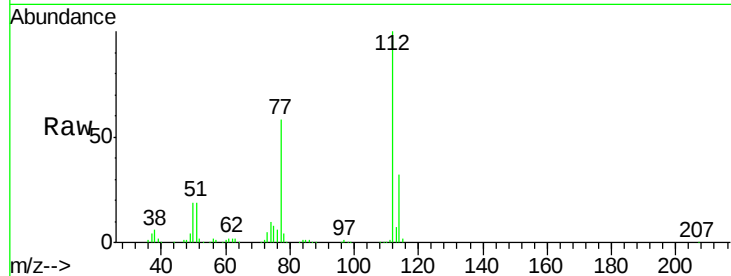
#59
Chlorobenzene
Concen: 11.197 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071119

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

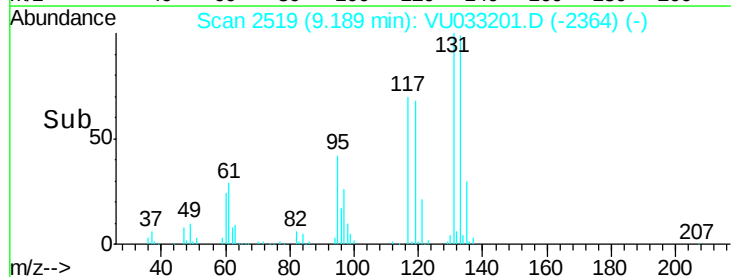
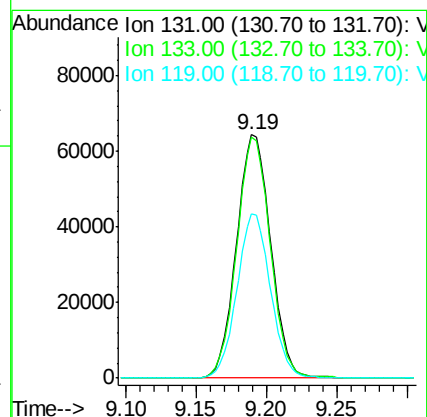
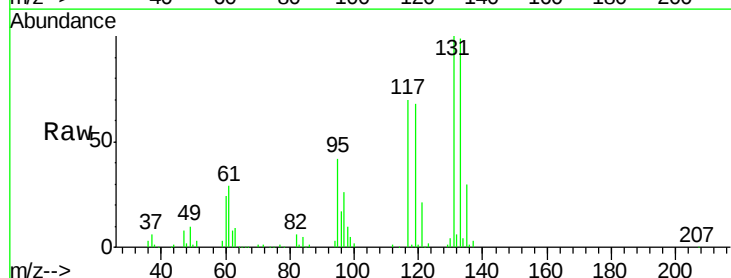
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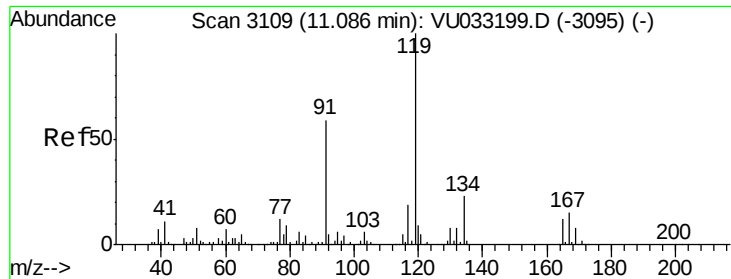
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#60
1,1,1,2-Tetrachloroethane
Concen: 11.016 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	76.7	115.1
119	66.1	54.2	81.2





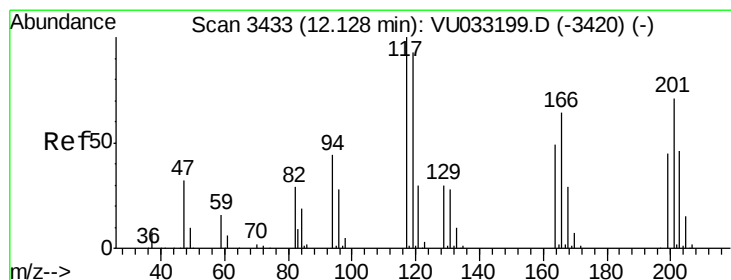
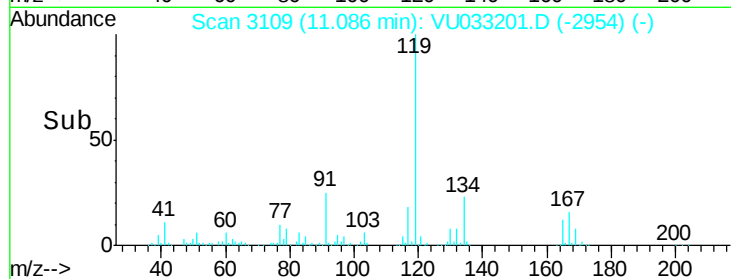
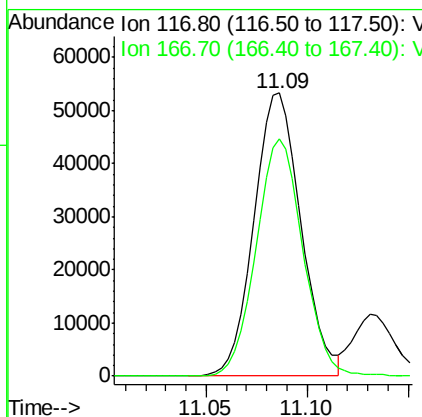
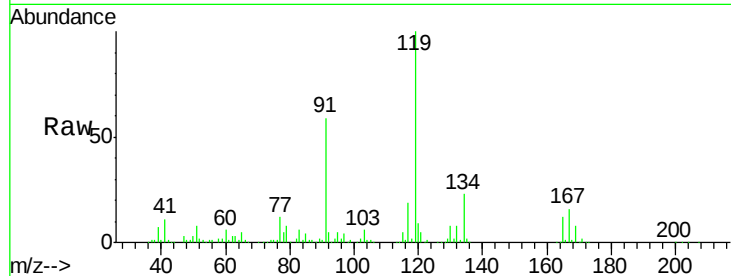
#61
 Pentachloroethane
 Concen: 11.067 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071119

Tot Ion	Ratio	Lower	Upper
117	100		
167	83.3	63.6	95.4

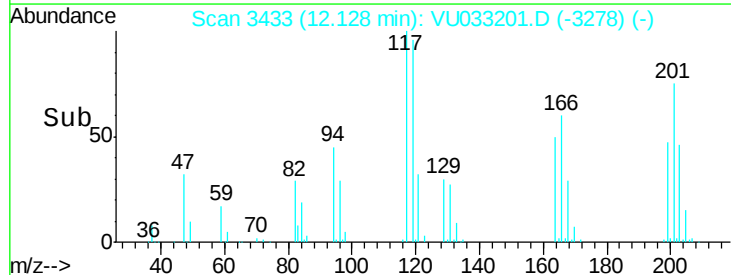
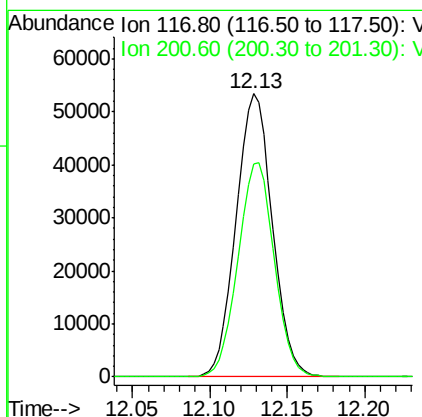
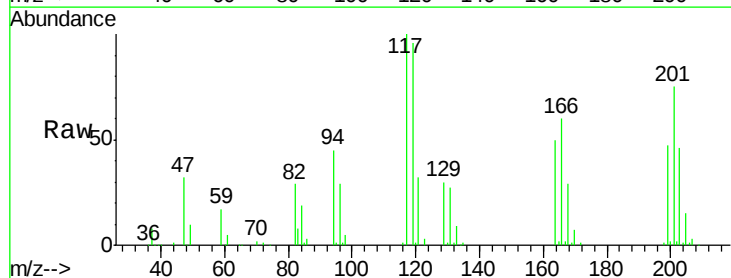
Manual Integrations
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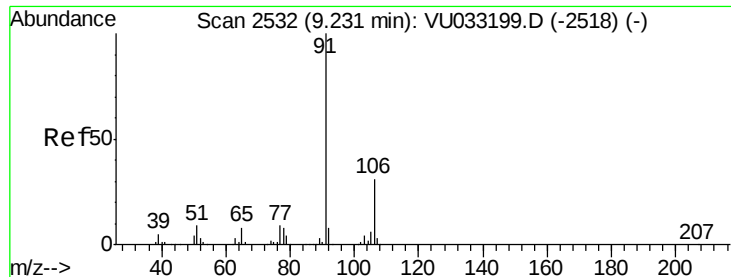
MMDadoda
 7/16/2019 4:03:34 PM



#62
 Hexachloroethane
 Concen: 11.453 ug/l
 RT: 12.13 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.8	58.5	87.7





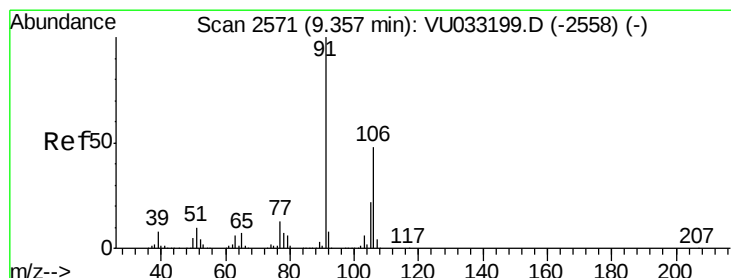
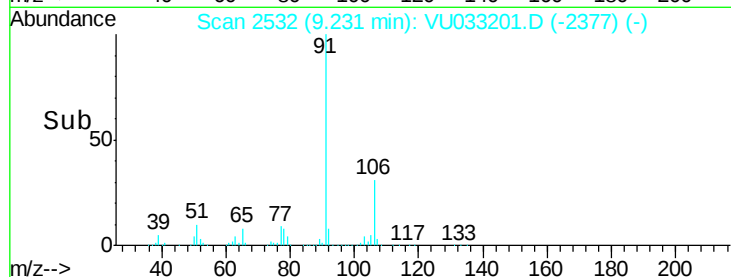
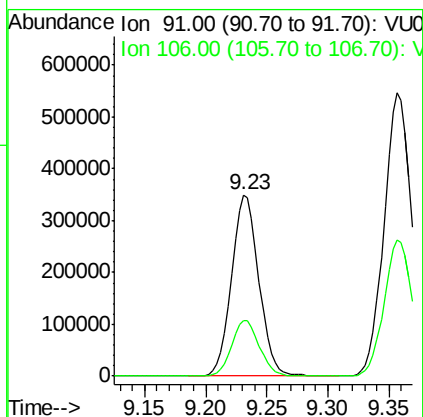
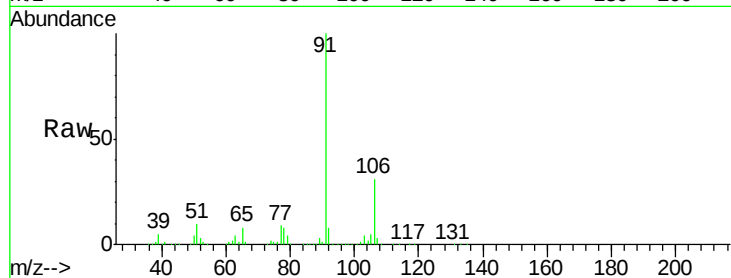
#63
Ethyl Benzene
Concen: 12.349 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071119

Tot Ion: 91 Resp: 546289
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3

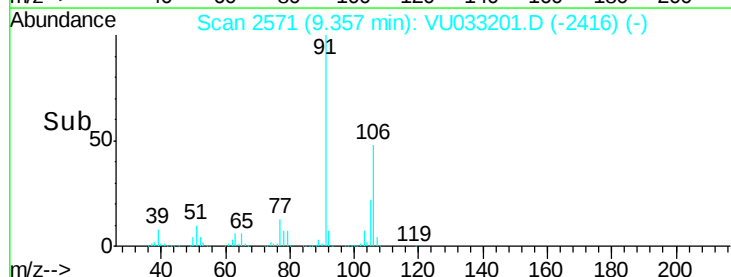
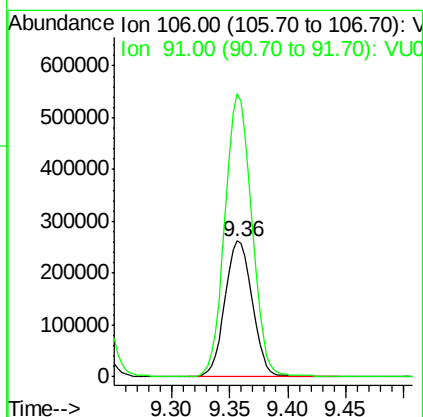
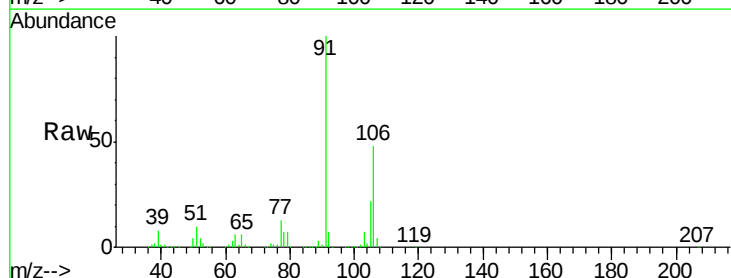
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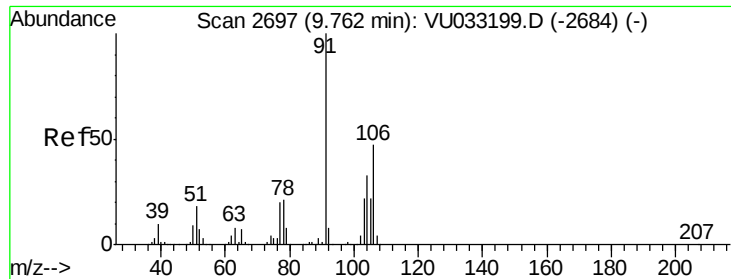
MMDadoda
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#64
m/p-Xylenes
Concen: 24.734 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Tgt Ion: 106 Resp: 427563
Ion Ratio Lower Upper
106 100
91 204.0 164.8 247.2





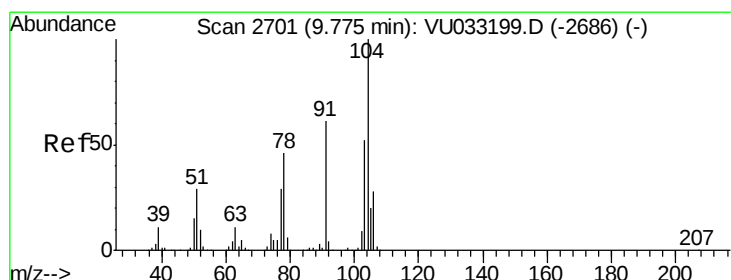
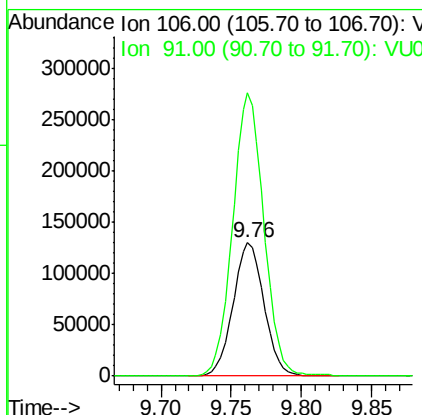
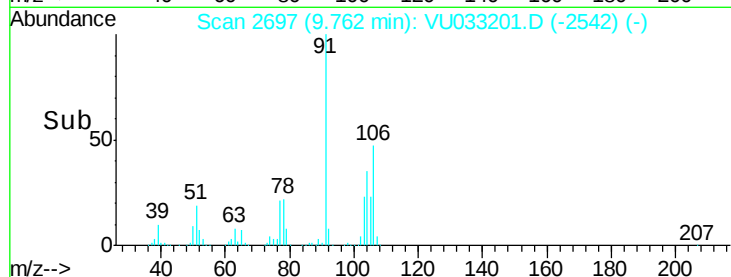
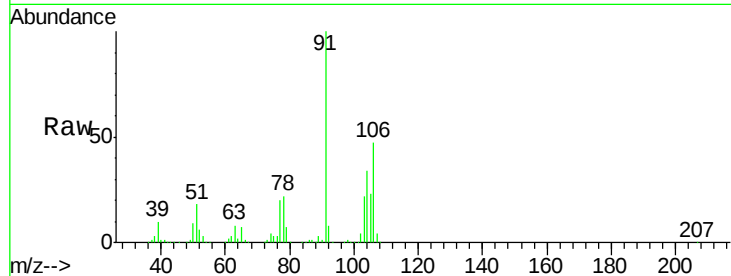
#65
o-Xylene
Concen: 11.911 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071119

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.8	108.6	325.8

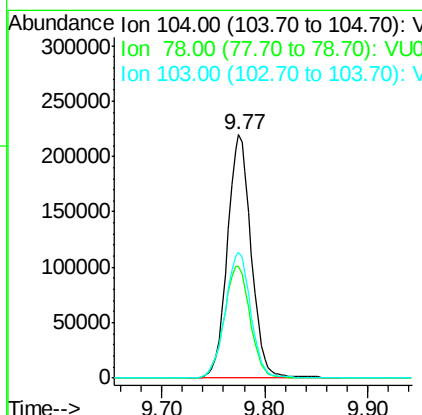
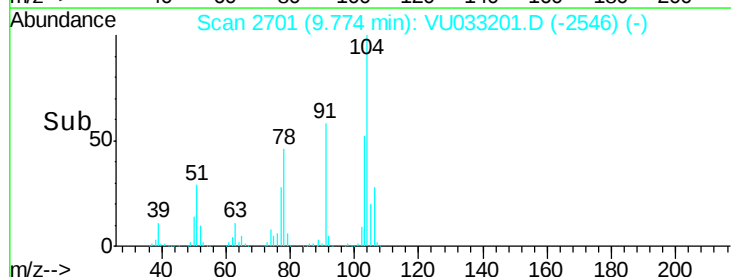
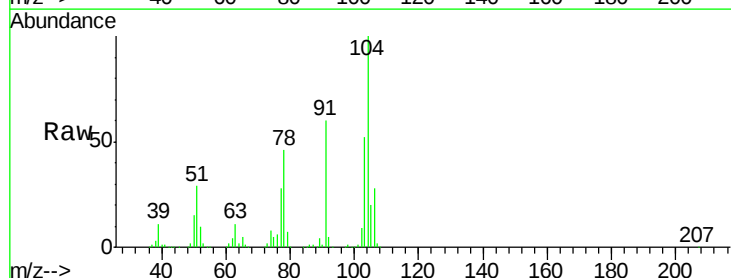
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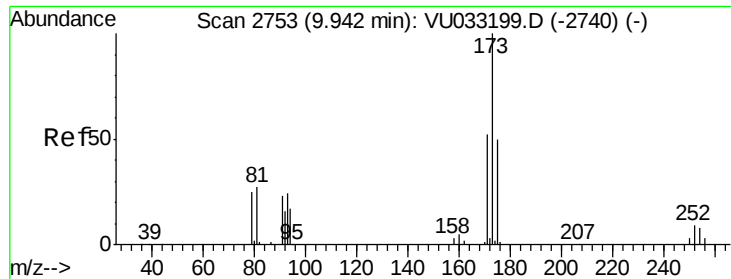
MMDadoda
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#66
Styrene
Concen: 12.469 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.4	60.6
103	55.7	44.3	66.5





#67

Bromoform

Concen: 11.561 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

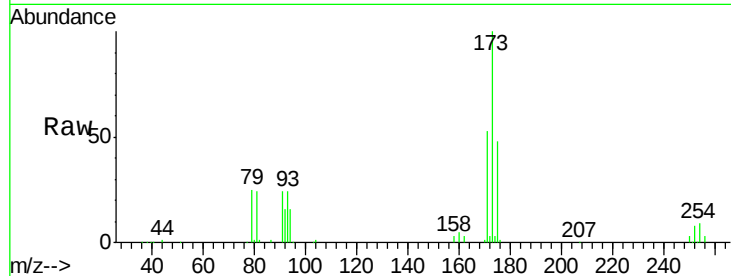
ClientSampleId :

ICVVU071119

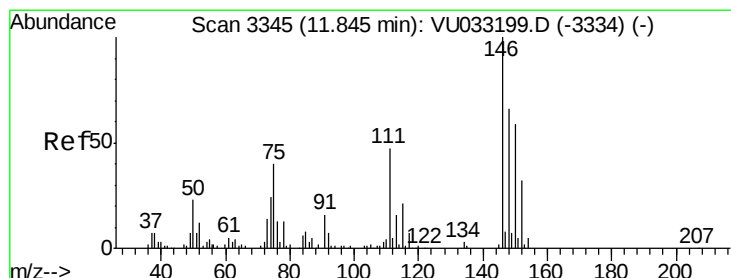
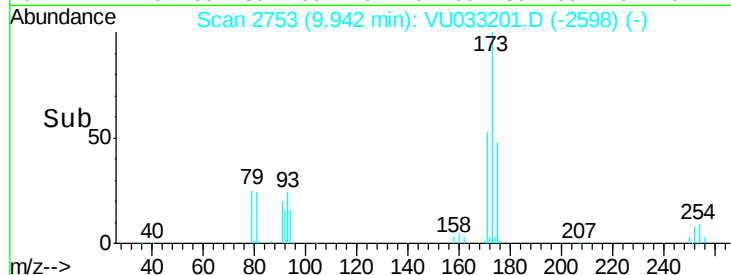
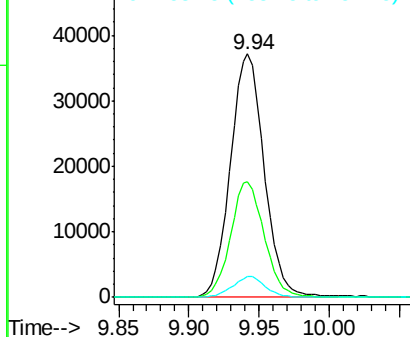
Tot Ion:	173	Resp:	62341
Ion Ratio	Lower	Upper	
173	100		
175	47.2	39.4	59.0
254	8.2	6.9	10.3

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



#68

1,2-Dichlorobenzene-d4

Concen: 1.041 ug/l

RT: 11.84 min Scan# 3344

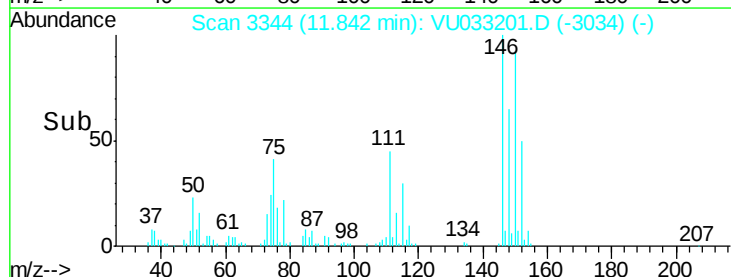
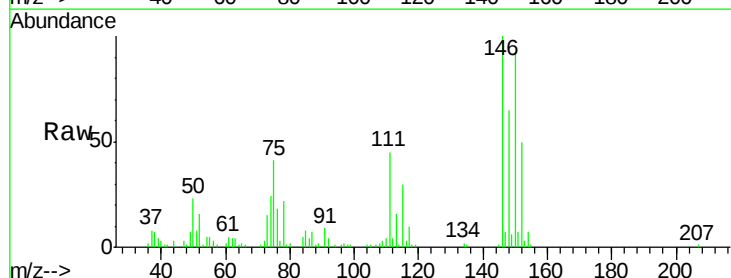
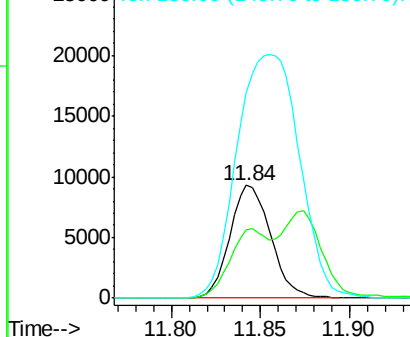
Delta R.T. -0.00 min

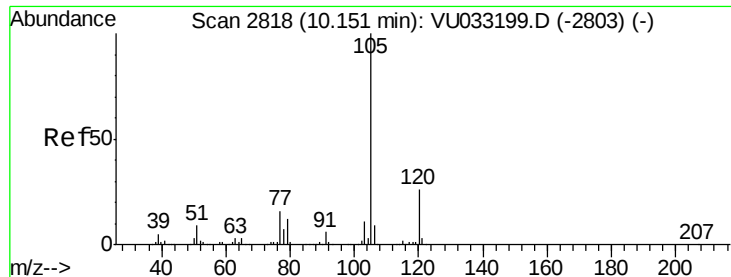
Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Tgt Ion:	152	Resp:	14747
Ion Ratio	Lower	Upper	
152	100		
115	56.4	0.0	131.0
150	333.0	0.0	634.4

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: 12.505 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071119

Tot Ion: 105 Resp: 546308

Ion Ratio Lower Upper

105 100

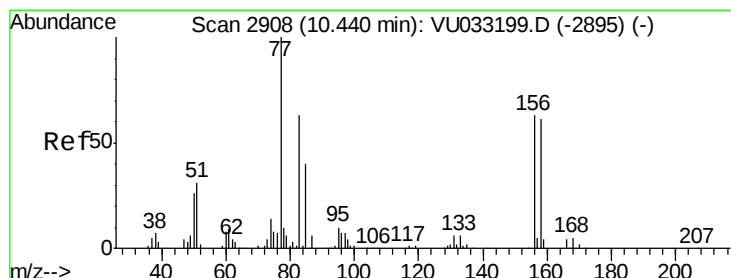
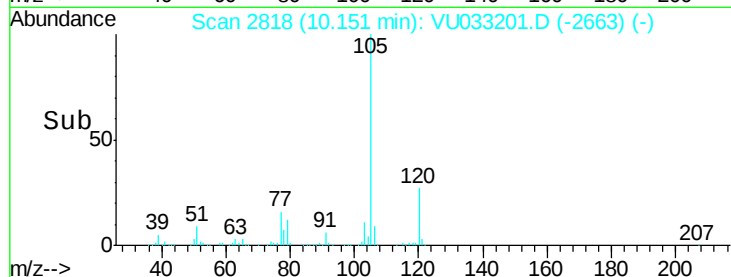
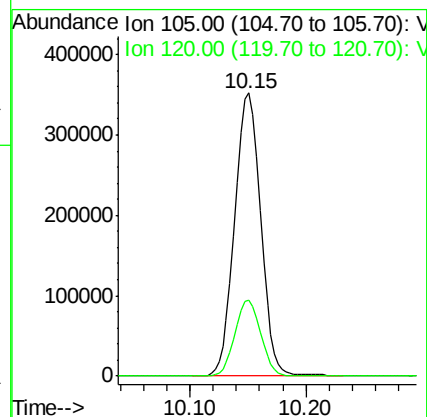
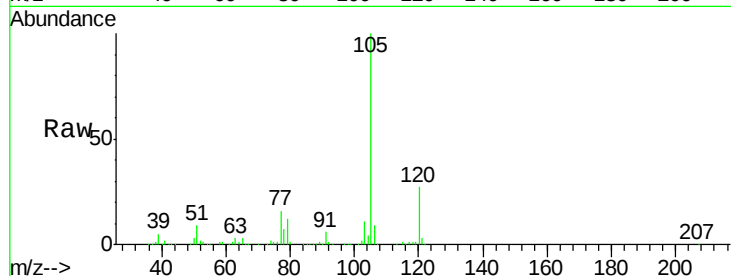
120 26.6 13.2 39.6

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 10.537 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

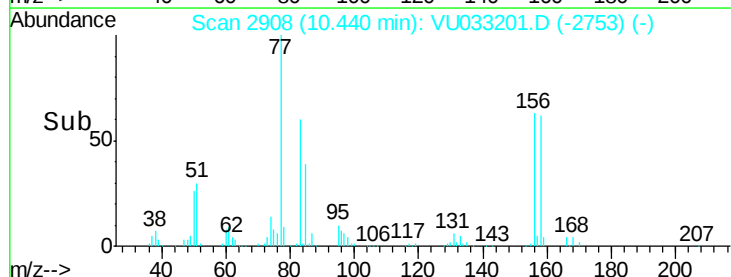
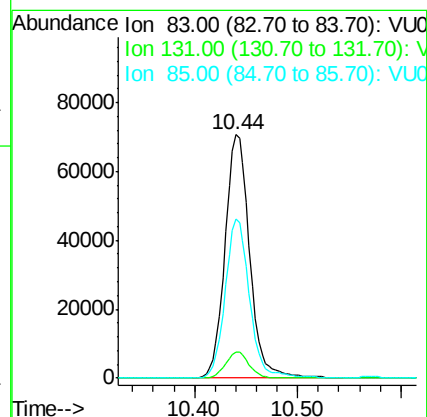
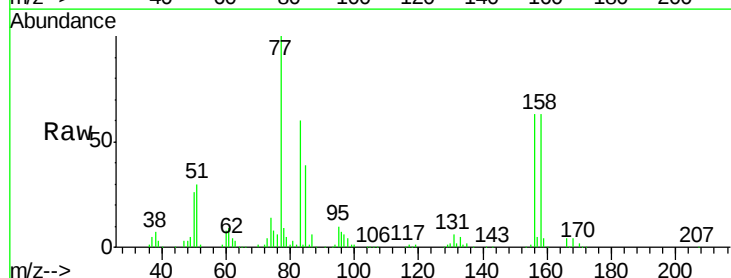
Tgt Ion: 83 Resp: 117555

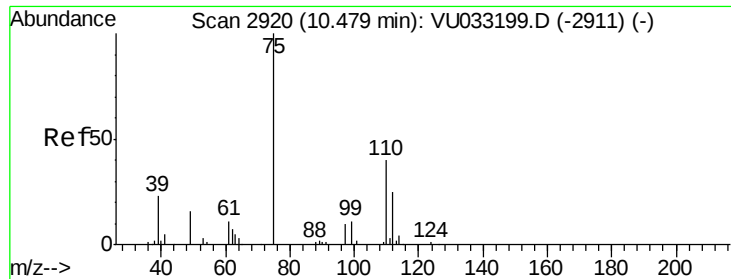
Ion Ratio Lower Upper

83 100

131 10.1 8.0 12.0

85 64.5 50.6 76.0





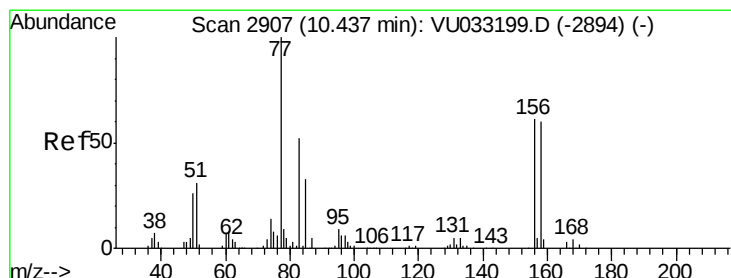
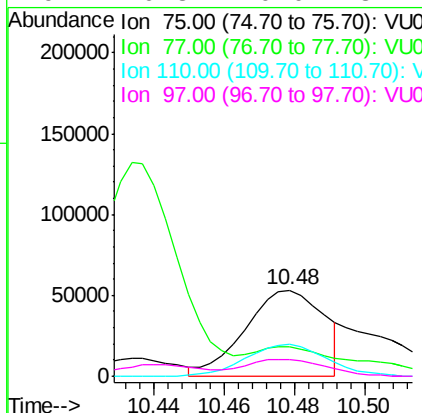
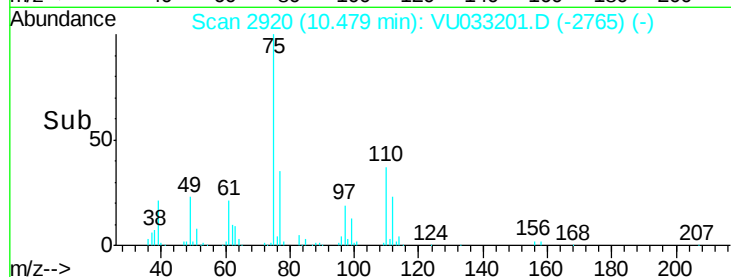
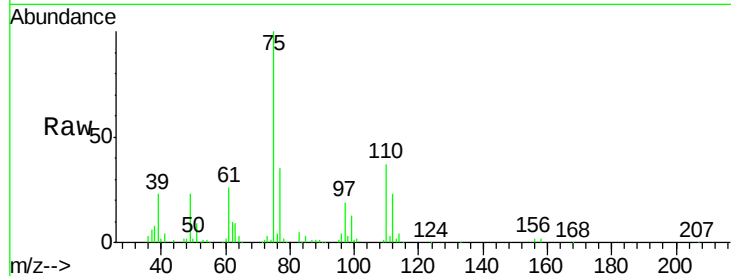
#71
 1,2,3-Trichloropropane
 Concen: 9.961 ug/l m
 RT: 10.48 min Scan# 2920
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071119

Tot Ion	Ratio	Lower	Upper
75	100		
77	44.8	0.0	15.4#
110	38.7	0.0	72.2
97	20.3	0.0	37.2

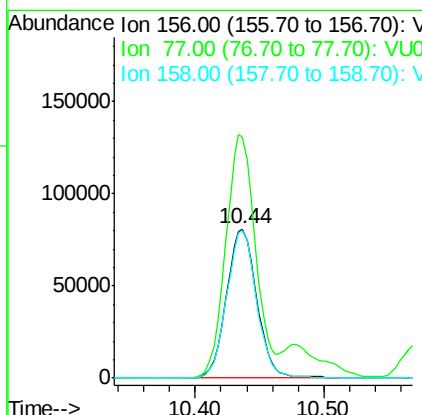
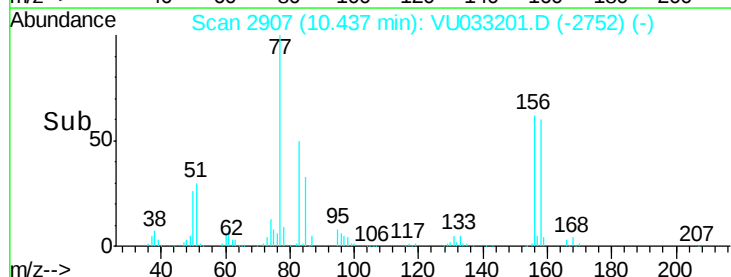
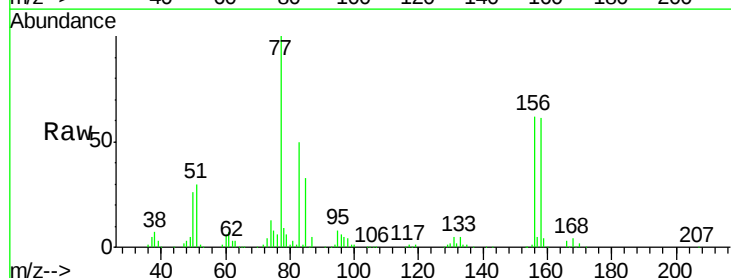
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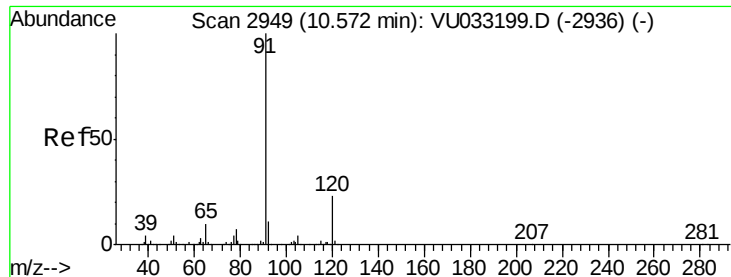
MMDadoda
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#72
 Bromobenzene
 Concen: 11.624 ug/l
 RT: 10.44 min Scan# 2907
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Tgt Ion	Ratio	Lower	Upper
156	100		
77	160.1	0.0	326.0
158	97.9	0.0	193.2





#73

n-propylbenzene

Concen: 12.211 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071119

Tot Ion:120 Resp: 151105

Ion Ratio Lower Upper

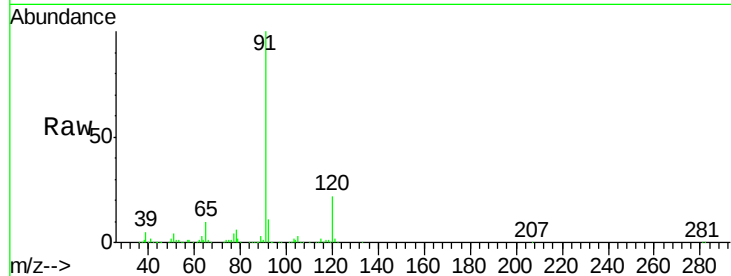
120 100

91 437.2 349.0 523.4

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

500000

400000

300000

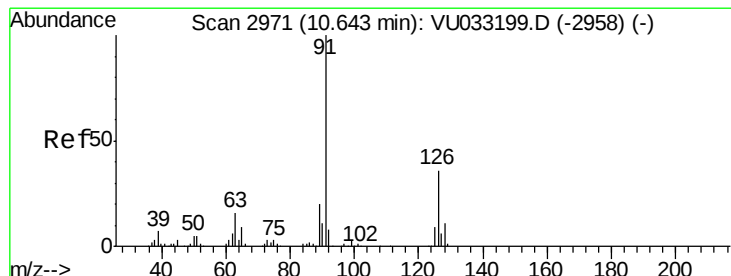
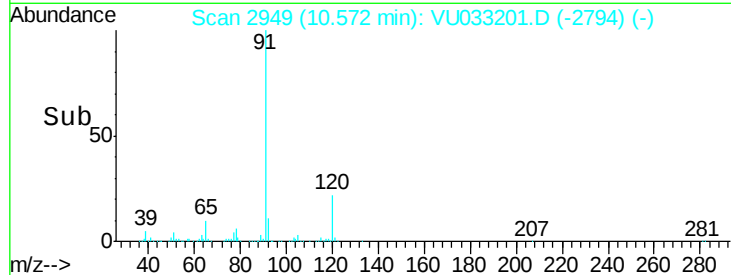
200000

100000

0

10.57

Time-->



#74

2-Chlorotoluene

Concen: 11.618 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU033201.D

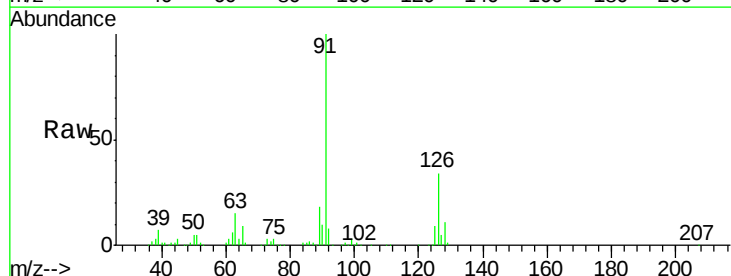
Acq: 11 Jul 2019 20:03

Tgt Ion:126 Resp: 129751

Ion Ratio Lower Upper

126 100

91 296.0 0.0 592.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

500000

400000

300000

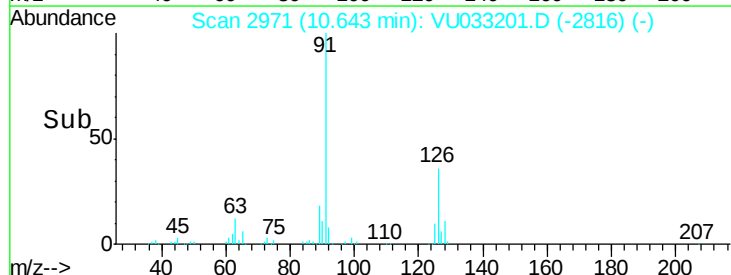
200000

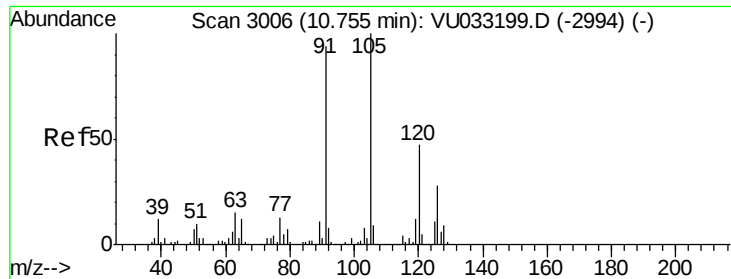
100000

0

10.64

Time-->





#75

1,3,5-Trimethylbenzene

Concen: 12.898 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071119

Tot Ion:105 Resp: 487759

Ion Ratio Lower Upper

105 100

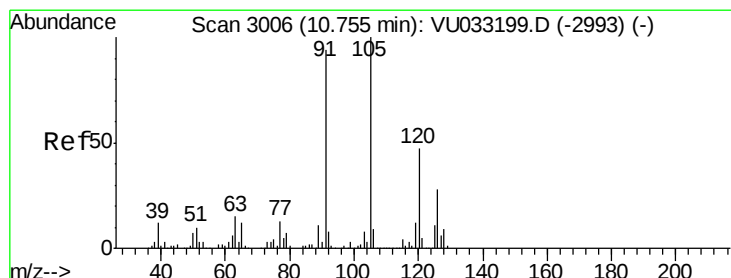
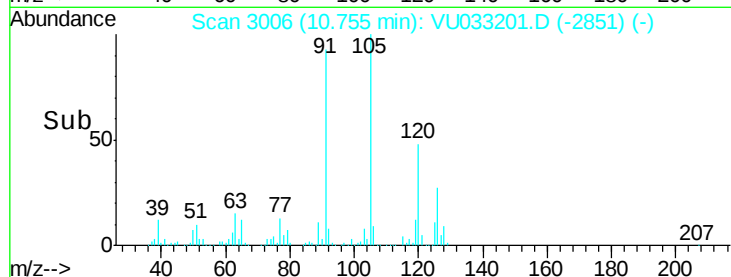
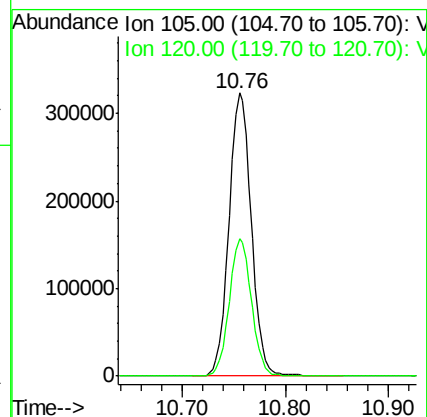
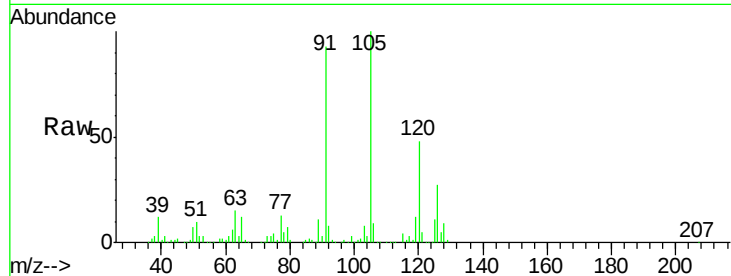
120 48.4 37.8 56.8

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#76

4-Chlorotoluene

Concen: 11.944 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033201.D

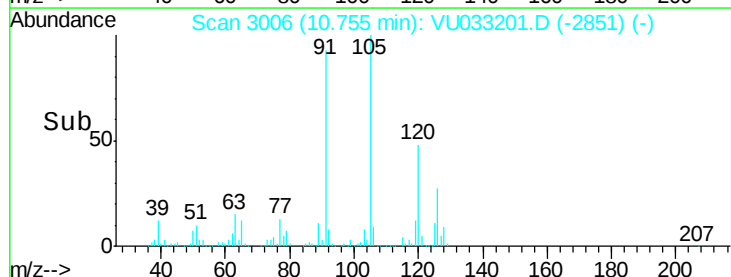
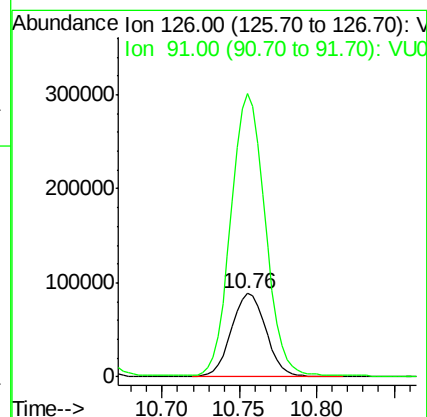
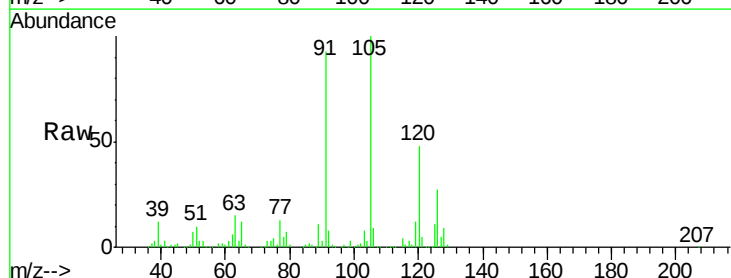
Acq: 11 Jul 2019 20:03

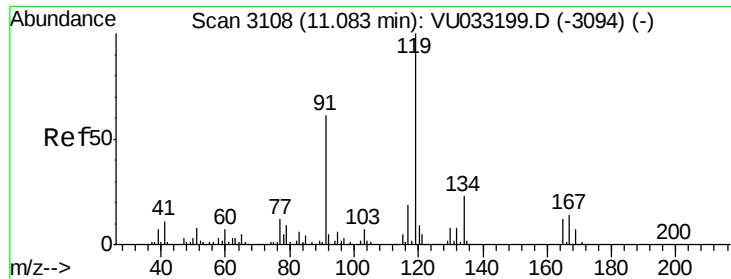
Tgt Ion:126 Resp: 136190

Ion Ratio Lower Upper

126 100

91 342.2 0.0 663.4





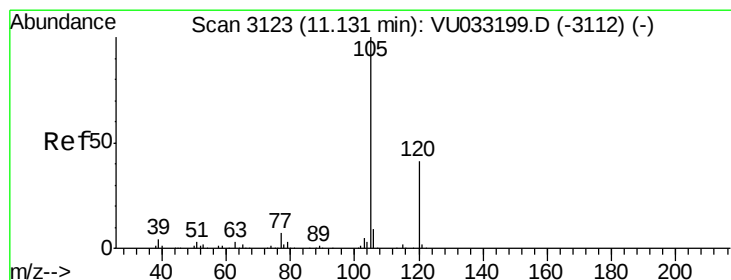
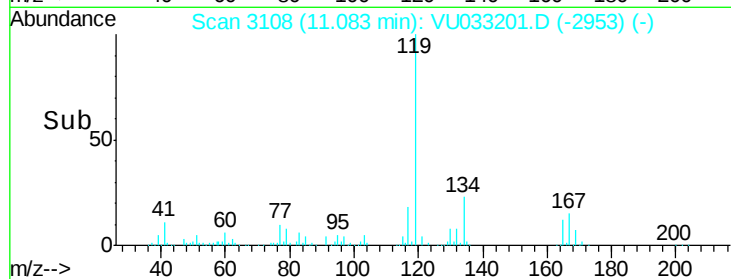
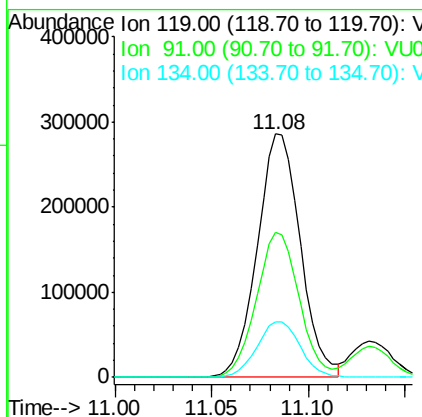
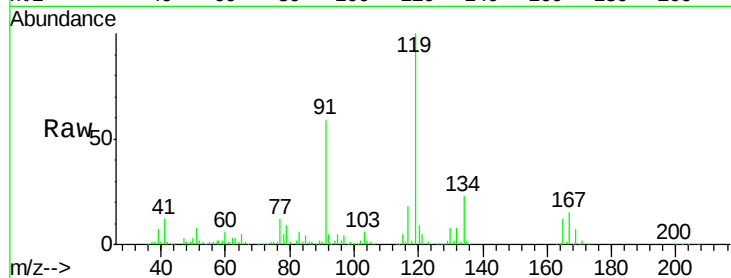
#77
 tert-Butylbenzene
 Concen: 12.193 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071119

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.8	29.8	89.5
134	23.2	18.2	27.4

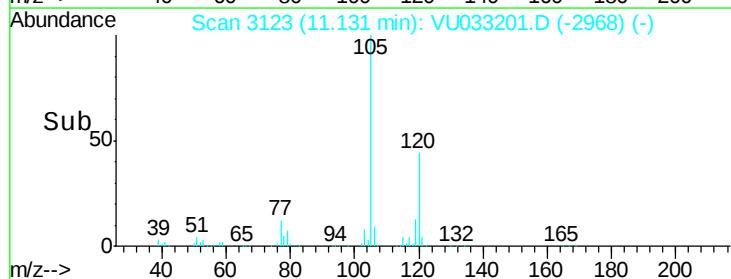
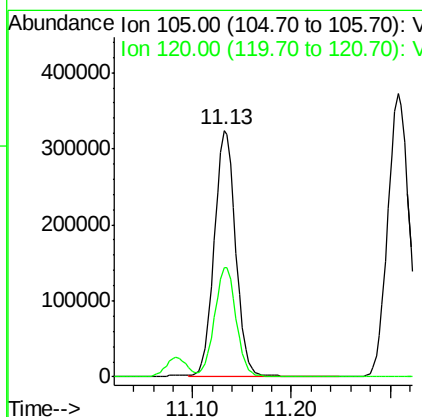
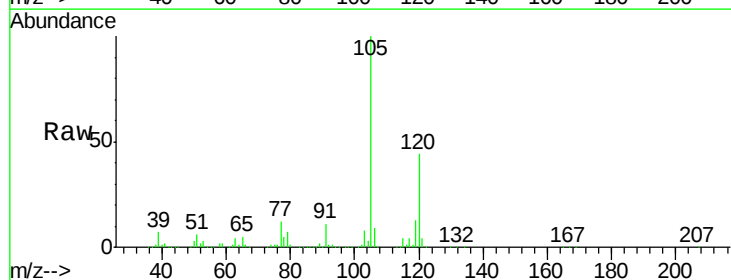
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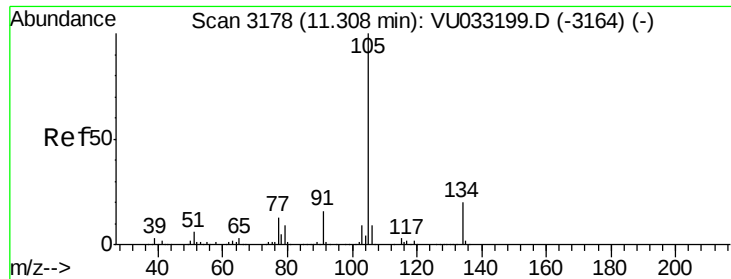
MMDadoda
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#78
 1,2,4-Trimethylbenzene
 Concen: 12.722 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.6	67.8





#79

sec-Butylbenzene

Concen: 11.281 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. -0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

Instrument :

MSVOA_U

ClientSampleId :

ICVVU071119

Tot Ion:105 Resp: 563741

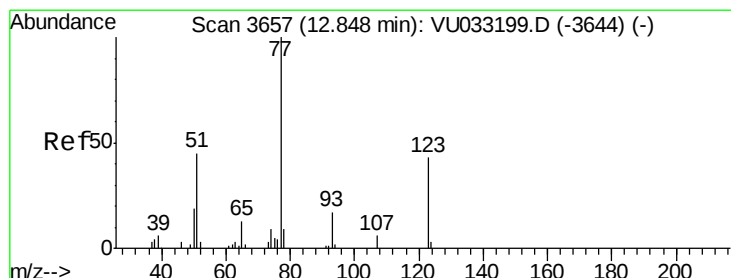
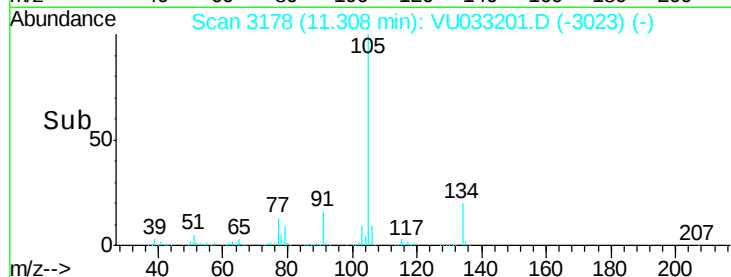
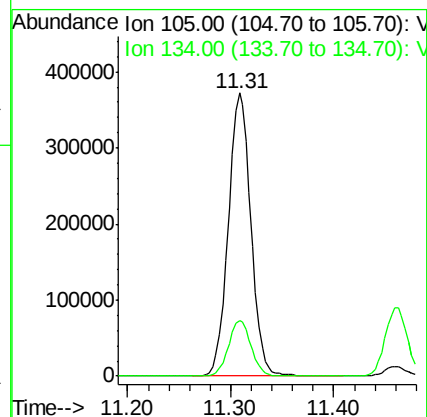
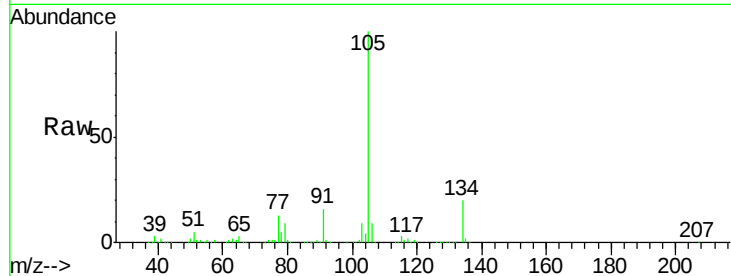
Ion Ratio Lower Upper

105 100

134 19.9 15.8 23.8

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#80

Nitrobenzene

Concen: 12.054 ug/l

RT: 12.85 min Scan# 3658

Delta R.T. 0.00 min

Lab File: VU033201.D

Acq: 11 Jul 2019 20:03

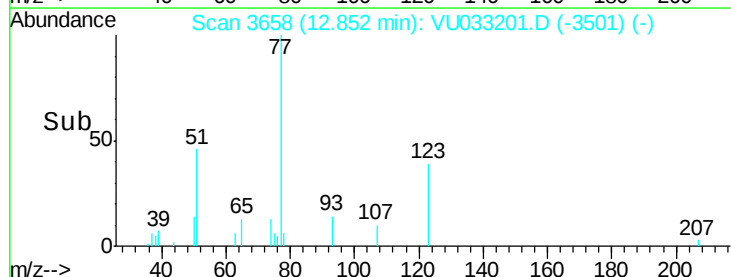
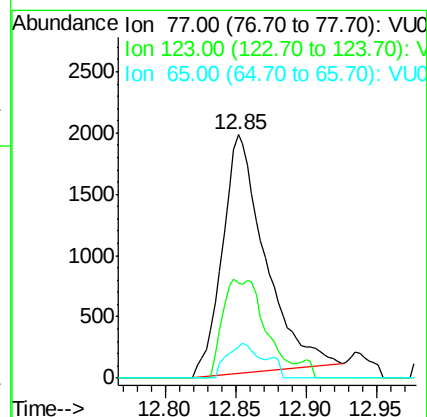
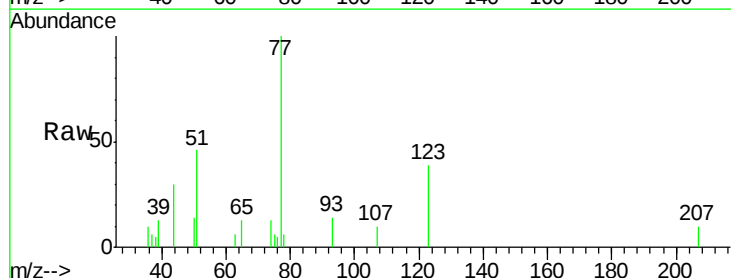
Tgt Ion: 77 Resp: 4132

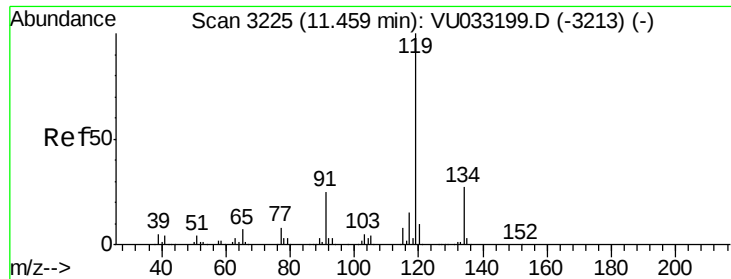
Ion Ratio Lower Upper

77 100

123 35.7 20.9 74.1

65 0.0 10.7 13.7#





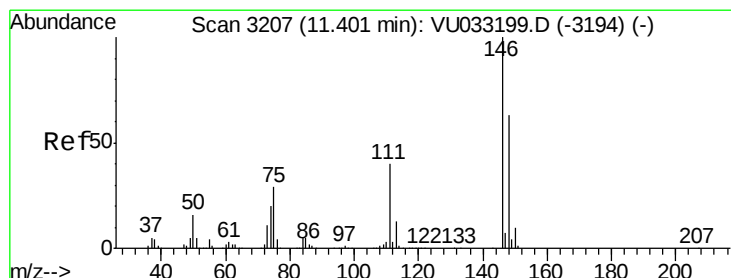
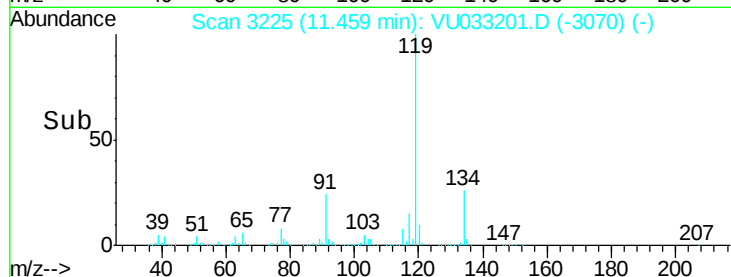
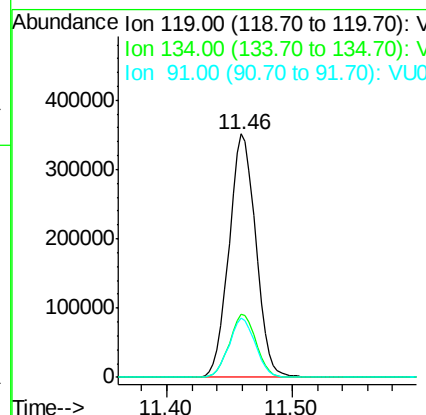
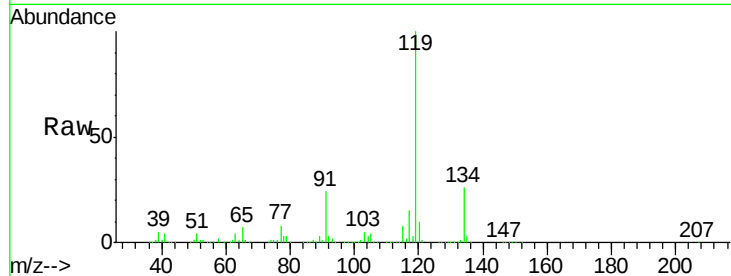
#81
 p-Isopropyltoluene
 Concen: 12.758 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071119

Tot Ion	Ratio	Resp	Lower	Upper
119	100	518470		
134	26.0		21.1	31.7
91	24.1		19.7	29.5

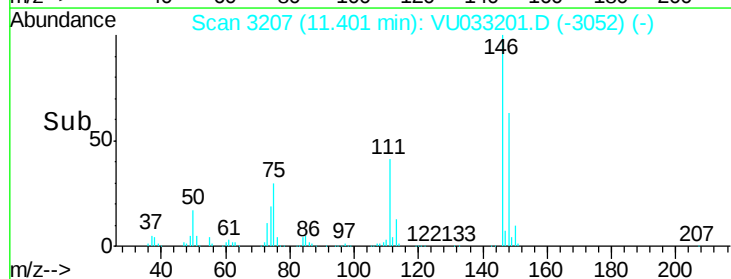
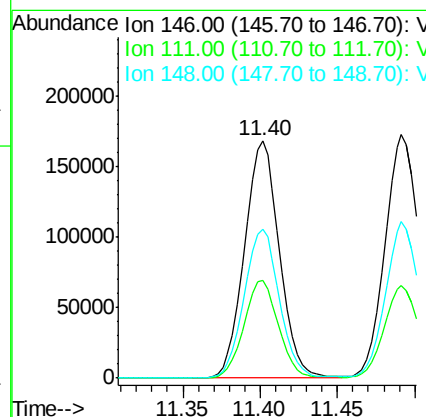
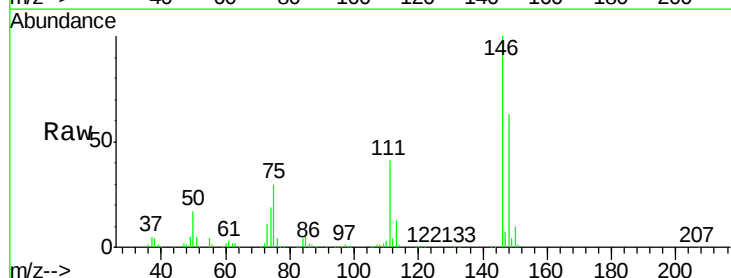
Manual Integrations
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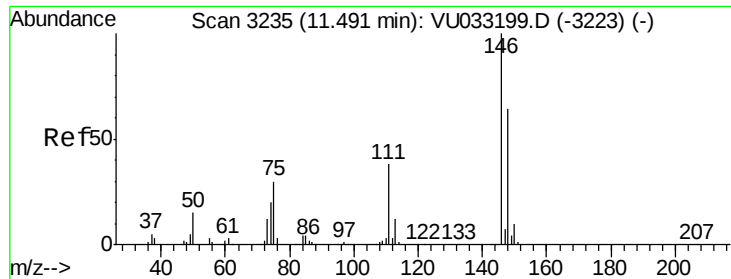
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#82
 1,3-Dichlorobenzene
 Concen: 11.296 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	264136		
111	41.0		32.2	48.4
148	63.3		50.8	76.2





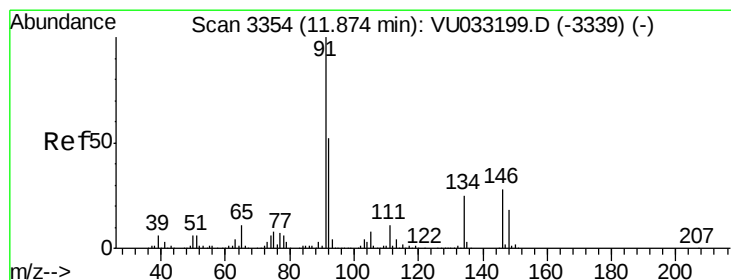
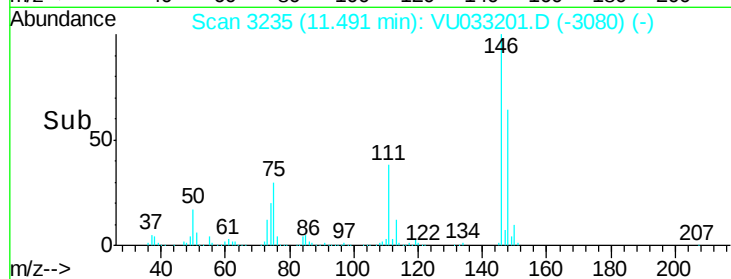
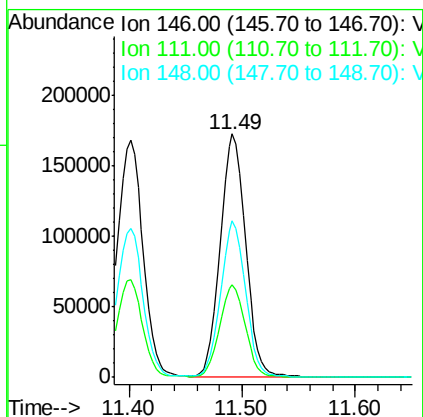
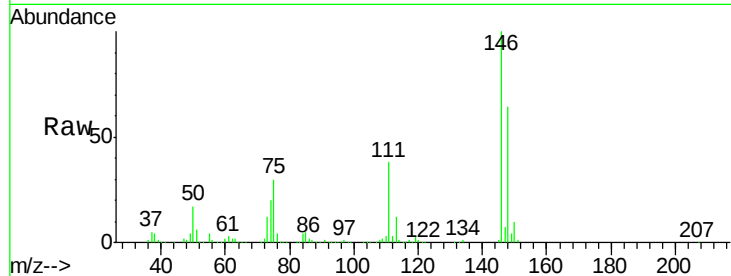
#83
 1,4-Dichlorobenzene
 Concen: 11.514 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071119

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	30.8	46.2
148	63.2	50.6	76.0

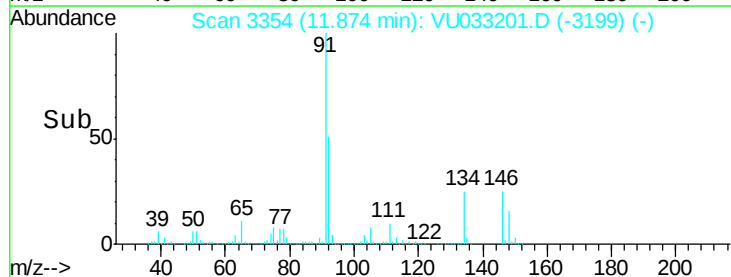
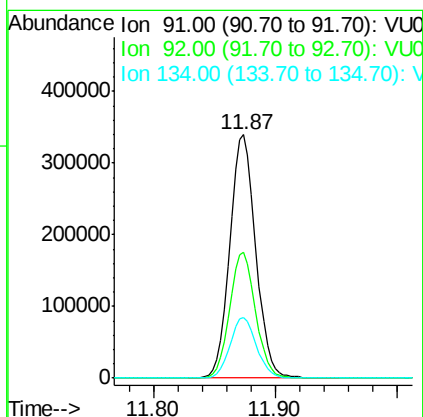
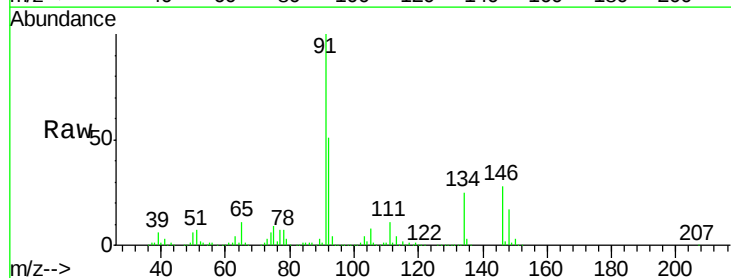
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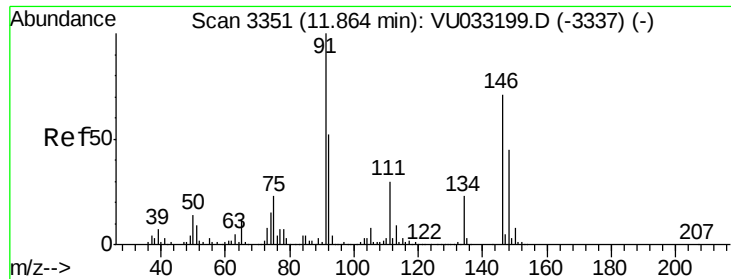
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#84
 n-Butylbenzene
 Concen: 12.468 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	41.5	62.3
134	25.3	19.6	29.4





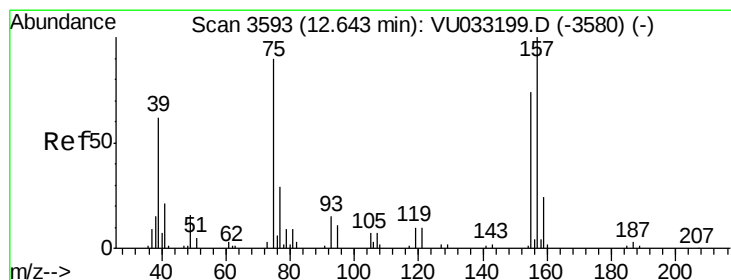
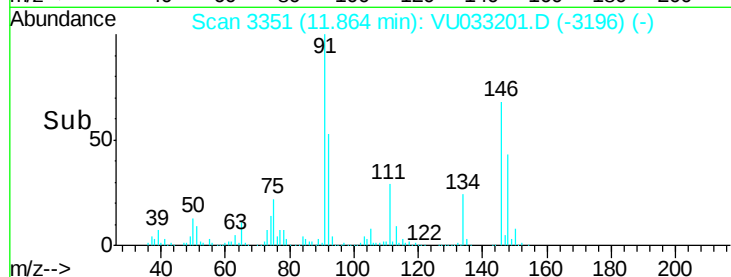
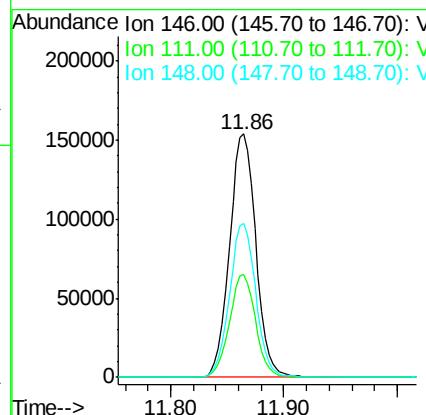
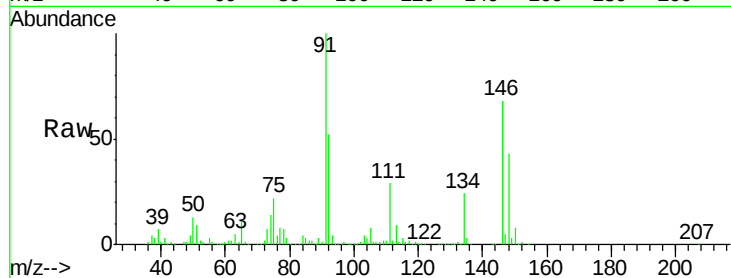
#85
 1,2-Dichlorobenzene
 Concen: 11.140 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071119

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.7
148	63.3	32.0	96.0

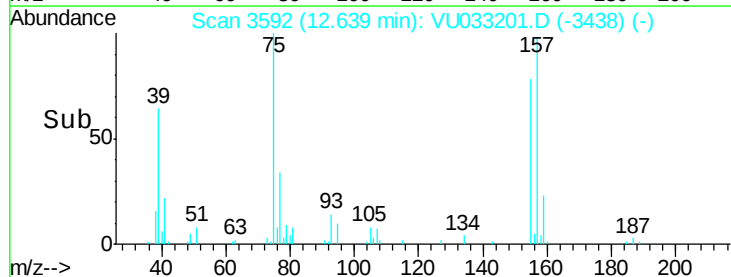
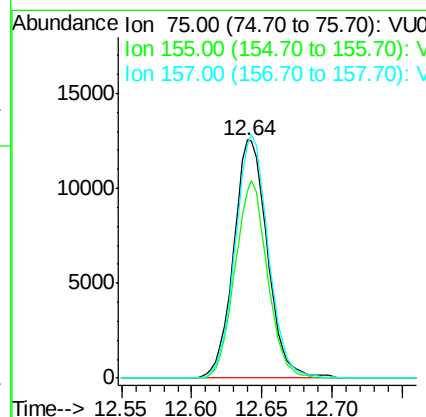
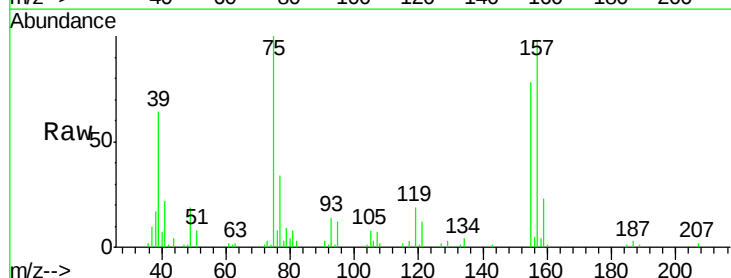
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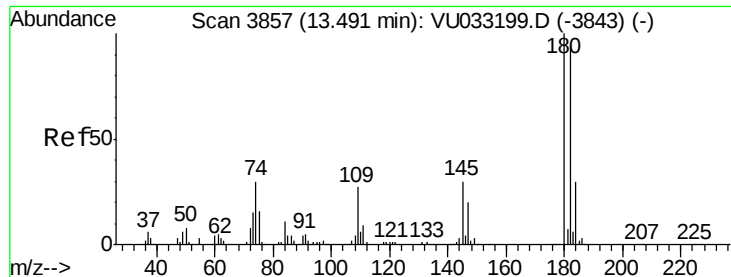
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 11.949 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.8	60.6	90.8
157	99.2	82.5	123.7





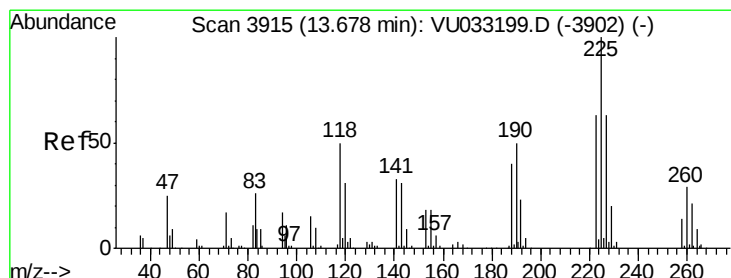
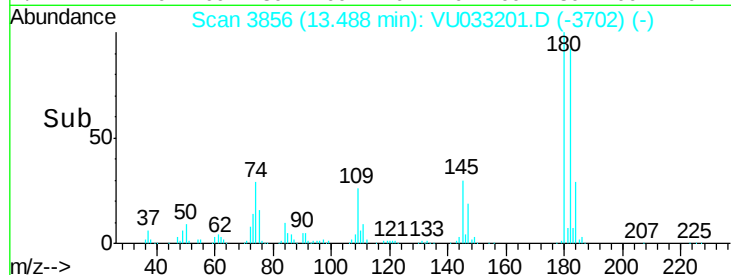
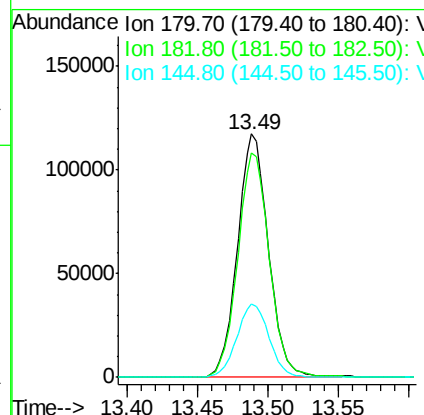
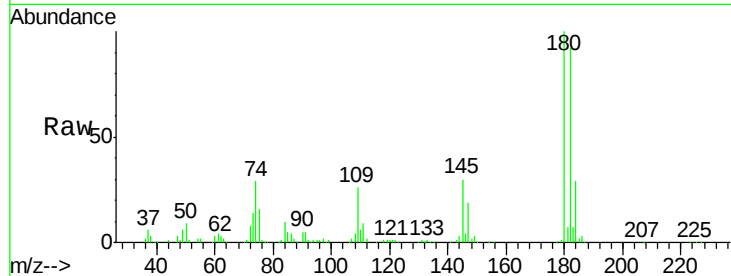
#87
 1,2,4-Trichlorobenzene
 Concen: 13.089 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071119

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.4	113.2
145	31.3	24.5	36.7

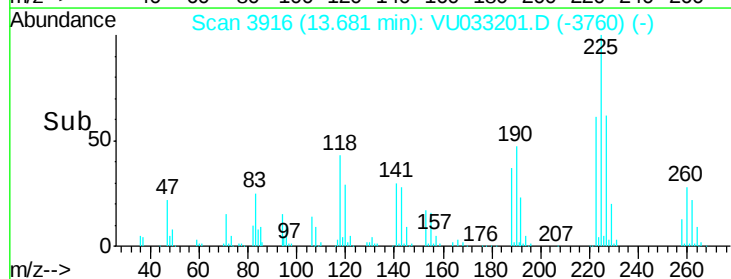
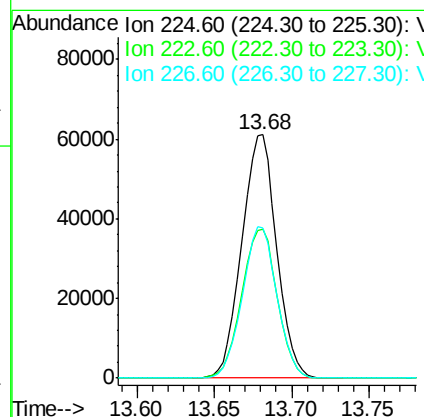
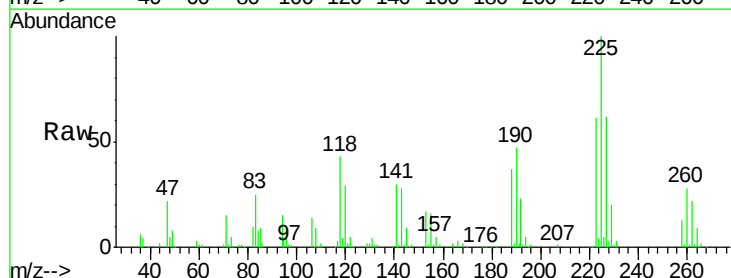
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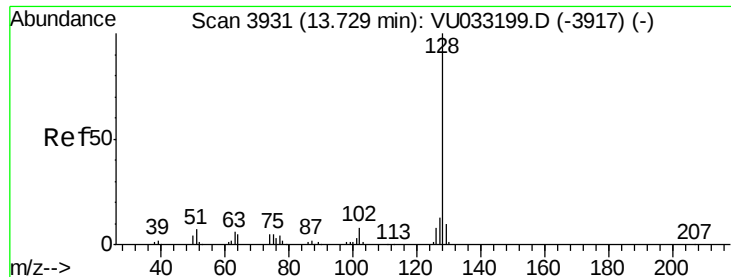
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 7/16/2019 4:03:34 PM



#88
 Hexachlorobutadiene
 Concen: 12.005 ug/l
 RT: 13.68 min Scan# 3916
 Delta R.T. 0.00 min
 Lab File: VU033201.D
 Acq: 11 Jul 2019 20:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	51.1	76.7
227	61.9	51.2	76.8





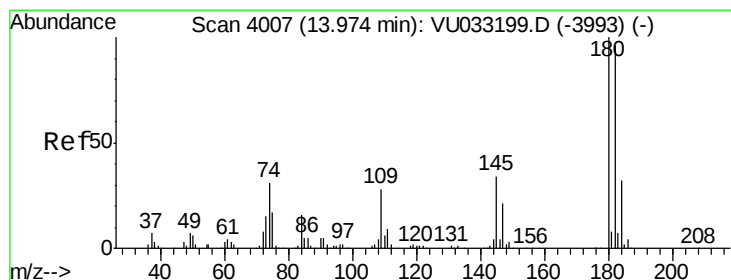
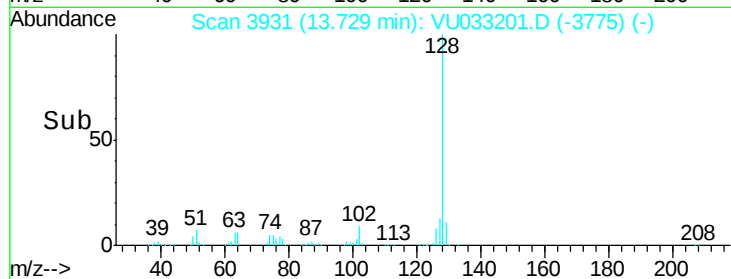
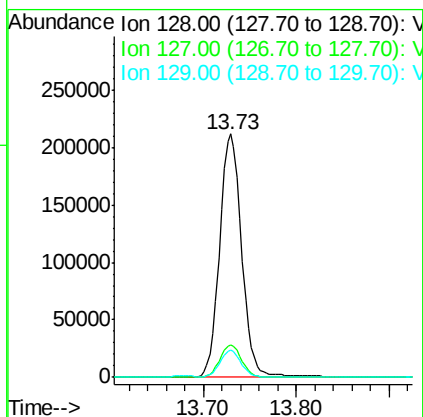
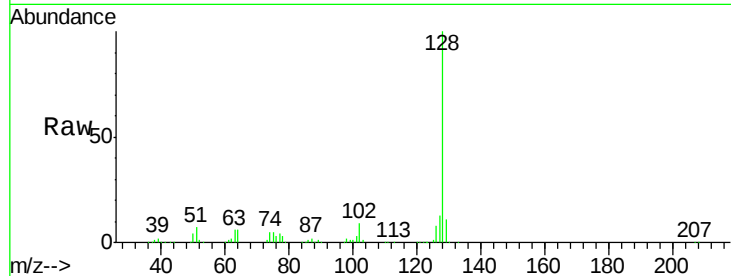
#89
Naphthalene
Concen: 11.229 ug/l
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Instrument :
MSVOA_U
ClientSampleId :
ICVVU071119

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 12.880 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. -0.00 min
Lab File: VU033201.D
Acq: 11 Jul 2019 20:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.4
145	32.0	26.6	40.0

