

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U031019\
 Data File : VU029878.D
 Acq On : 08 Mar 2019 10:37
 Operator : JC/SP
 Sample : MDL07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 6:55:41 PM

Quant Time: Mar 08 22:57:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	58259	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	19747	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	22794	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	5222	0.268	ug/l	93
3) Chloromethane	1.33	50	5013	0.289	ug/l	98
4) Vinyl Chloride	1.40	62	5738	0.294	ug/l	97
5) Bromomethane	1.63	94	4402	0.330	ug/l	86
6) Chloroethane	1.70	64	3373	0.288	ug/l	92
7) Trichlorofluoromethane	1.89	101	7354	0.276	ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	4696	0.303	ug/l	95
9) 1,1-Dichloroethene	2.28	96	4365	0.288	ug/l	88
10) Iodomethane	2.41	142	2778	0.737	ug/l	92
11) Allyl Chloride	2.59	41	6491	0.305	ug/l	99
12) Acrylonitrile	2.93	53	2083	0.630	ug/l	98
13) Acetone	2.32	43	4580	1.674	ug/l	91
14) Carbon Disulfide	2.47	76	13631	0.278	ug/l #	95
15) Methylene Chloride	2.70	84	5670	0.312	ug/l	99
16) trans-1,2-Dichloroethene	2.98	96	4889	0.286	ug/l	95
17) 1,1-Dichloroethane	3.44	63	7977	0.278	ug/l	95
18) 2-Butanone	4.29	43	3984	1.071	ug/l	95
19) Cyclohexane	4.99	56	5771m	0.259	ug/l	
20) Methylcyclohexane	6.41	83	6869	0.265	ug/l	99
21) 2,2-Dichloropropane	4.22	77	6967	0.298	ug/l	91
22) cis-1,2-Dichloroethene	4.22	96	5238	0.289	ug/l	93
23) Diethyl Ether	2.10	59	3165	0.279	ug/l #	87
24) tert-Butyl Alcohol	2.84	59	4461	3.807	ug/l #	92
25) Methyl tert-Butyl Ether	3.00	73	11133	0.292	ug/l #	82
26) Bromochloromethane	4.55	128	2159	0.268	ug/l	97
27) Chloroform	4.67	83	7482	0.258	ug/l	95
28) 1,1,1-Trichloroethane	4.91	97	6887	0.280	ug/l	98
29) 1,1-Dichloropropene	5.13	75	5770	0.264	ug/l #	94
30) Carbon Tetrachloride	5.13	117	5567	0.259	ug/l	96
31) Isopropyl Ether	3.58	45	10812	0.274	ug/l	86
32) Ethyl-t-butyl ether	4.07	59	9824m	0.256	ug/l	
33) Tert-Amyl methyl ether	5.58	73	9571m	0.270	ug/l	
34) Propionitrile	4.34	54	1039m	0.939	ug/l	
35) Benzene	5.39	78	16310	0.253	ug/l	100
36) 1,2-Dichloroethane	5.40	62	4603	0.262	ug/l #	82
37) Trichloroethene	6.19	130	5138	0.273	ug/l	89
38) 1,2-Dichloropropane	6.43	63	4157	0.255	ug/l	91
39) Methacrylonitrile	4.55	41	1160	0.249	ug/l #	91
41) Tetrahydrofuran	4.67	42	1376	0.565	ug/l #	62
42) 1-Chlorobutane	5.06	56	6480	0.232	ug/l	77
43) Dibromomethane	6.56	93	2125	0.252	ug/l	94

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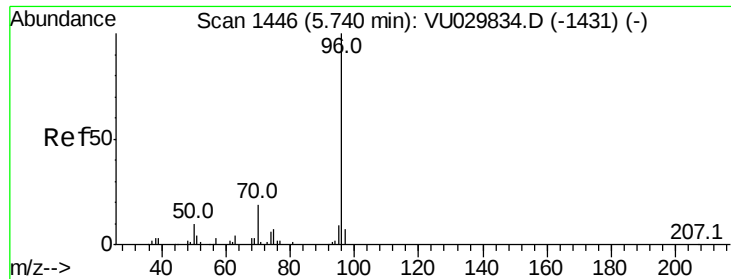
Manual Integrations
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Quant Time: Mar 08 22:57:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Bromodichloromethane	6.76	83	4822	0.232	ug/l	97
45) 4-Methyl-2-Pentanone	7.47	43	11307	1.284	ug/l	95
46) t-1,4-Dichloro-2-butene	10.51	75	1465m	0.398	ug/l	
47) Methyl methacrylate	6.64	69	3161	0.436	ug/l	93
48) Ethyl methacrylate	8.03	69	3122	0.225	ug/l	95
49) Toluene	7.64	92	9913	0.251	ug/l	96
50) t-1,3-Dichloropropene	7.89	75	3810	0.210	ug/l #	87
51) cis-1,3-Dichloropropene	7.27	75	5230	0.232	ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	3034	0.243	ug/l	92
53) 1,3-Dichloropropane	8.24	76	4979	0.243	ug/l	99
54) 2-Hexanone	8.38	43	7664	1.253	ug/l	88
55) Dibromochloromethane	8.48	129	3651	0.246	ug/l	99
56) 1,2-Dibromoethane	8.59	107	3156	0.266	ug/l	95
58) Tetrachloroethene	8.22	164	6728	0.350	ug/l	95
59) Chlorobenzene	9.12	112	11555	0.254	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	4028	0.247	ug/l	92
61) Pentachloroethane	11.10	117	2731	0.241	ug/l	92
62) Hexachloroethane	12.14	117	2677	0.224	ug/l	90
63) Ethyl Benzene	9.25	91	17641	0.237	ug/l	98
64) m/p-Xylenes	9.38	106	13583	0.462	ug/l	98
65) o-Xylene	9.78	106	6528	0.231	ug/l	94
66) Styrene	9.79	104	9907	0.211	ug/l	97
67) Bromoform	9.95	173	1830	0.210	ug/l #	95
69) Isopropylbenzene	10.16	105	17991	0.240	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	4033	0.265	ug/l	93
71) 1,2,3-Trichloropropane	10.49	75	3047m	0.269	ug/l	
72) Bromobenzene	10.45	156	4955	0.250	ug/l	96
73) n-propylbenzene	10.59	120	4981	0.236	ug/l	86
74) 2-Chlorotoluene	10.66	126	4459	0.239	ug/l	86
75) 1,3,5-Trimethylbenzene	10.77	105	14081	0.223	ug/l	96
76) 4-Chlorotoluene	10.77	126	4363	0.229	ug/l	95
77) tert-Butylbenzene	11.10	119	14402	0.231	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	14313	0.224	ug/l	97
79) sec-Butylbenzene	11.32	105	18455	0.223	ug/l	98
81) p-Isopropyltoluene	11.48	119	15310	0.221	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	9854	0.251	ug/l	97
83) 1,4-Dichlorobenzene	11.51	146	10092	0.263	ug/l	97
84) n-Butylbenzene	11.89	91	13075	0.207	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	9269	0.250	ug/l	96
86) 1,2-Dibromo-3-Chloropropan	12.66	75	501m	0.230	ug/l	
88) Hexachlorobutadiene	13.69	225	3699	0.248	ug/l	99
89) Naphthalene	13.76	128	4597	0.554	ug/l #	89
90) 1,2,3-Trichlorobenzene	13.99	180	4712	0.211	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

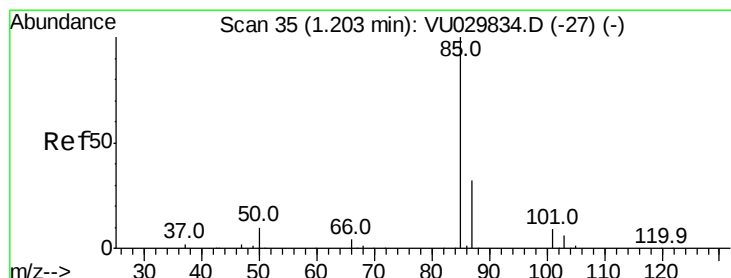
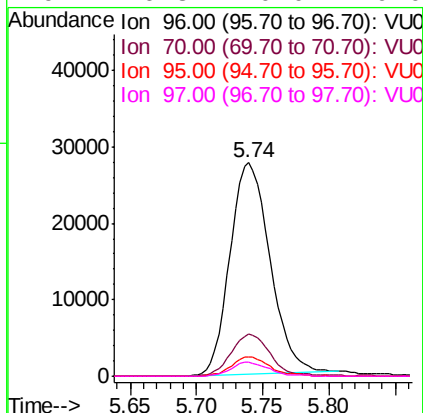
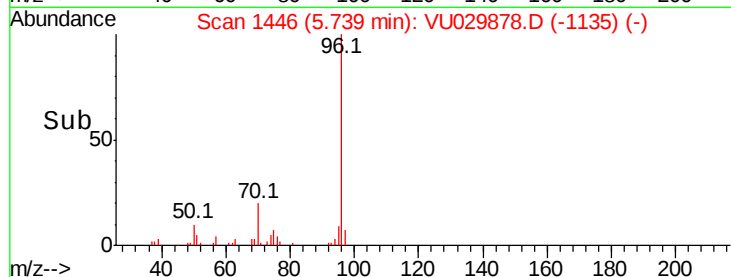
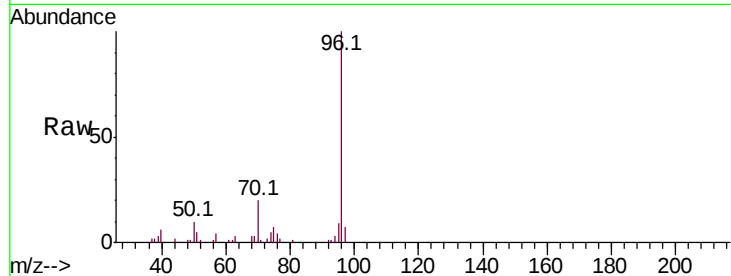
ClientSampleId :

MDL07

Tot Ion:	96	Resp:	58259
Ion Ratio	Lower	Upper	
96	100		
70	19.6	14.4	21.6
95	8.8	7.0	10.6
97	6.3	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.268 ug/l

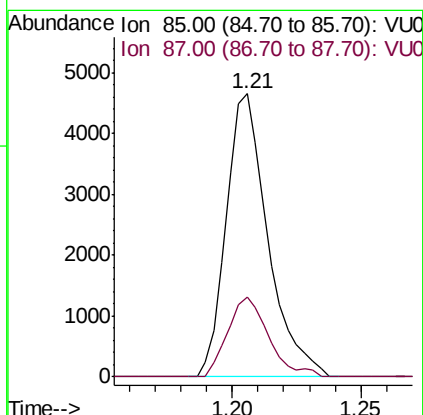
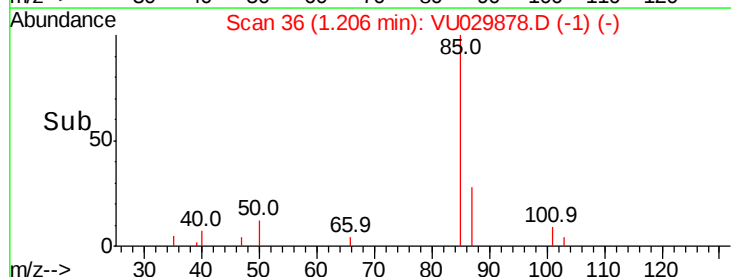
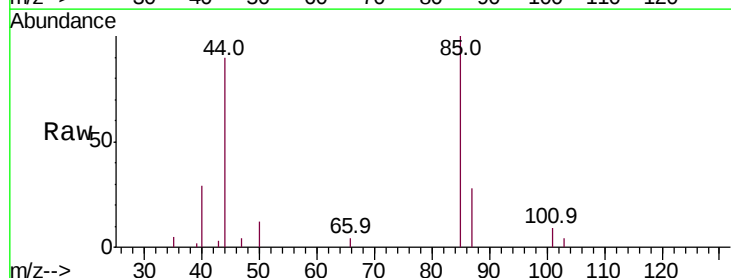
RT: 1.21 min Scan# 36

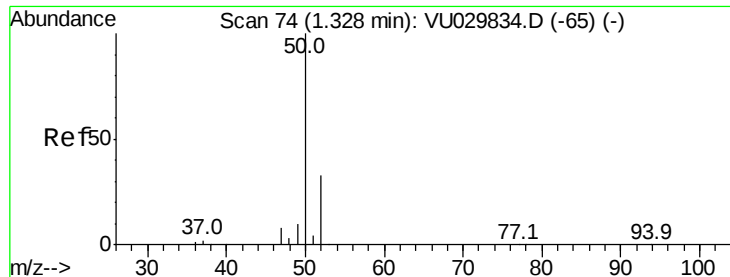
Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Tgt Ion:	85	Resp:	5222
Ion Ratio	Lower	Upper	
85	100		
87	28.2	16.2	48.6





#3

Chloromethane

Concen: 0.289 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion: 50 Resp: 5013

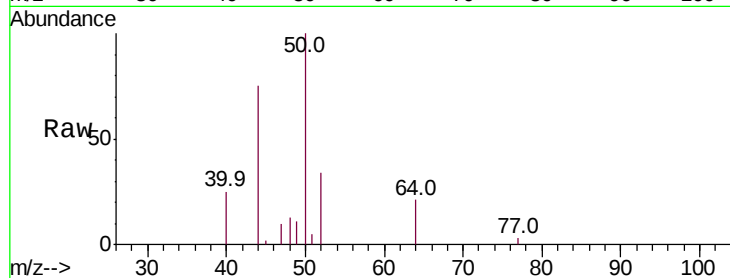
Ion Ratio Lower Upper

50 100

52 34.4 26.5 39.7

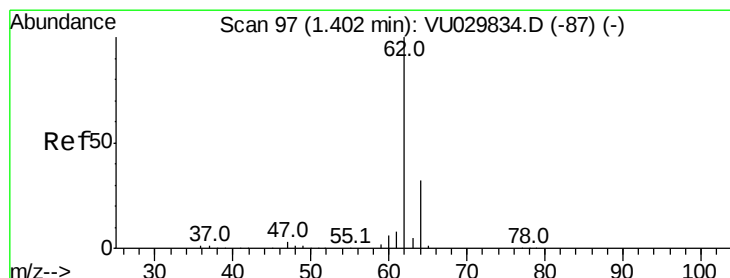
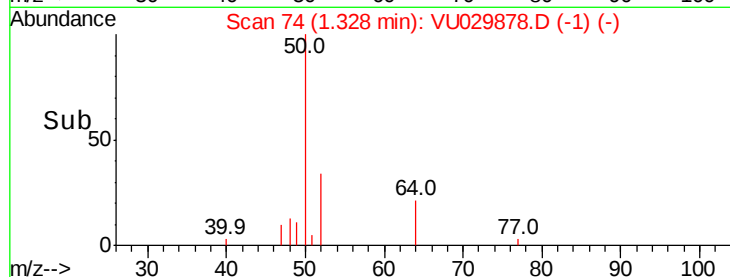
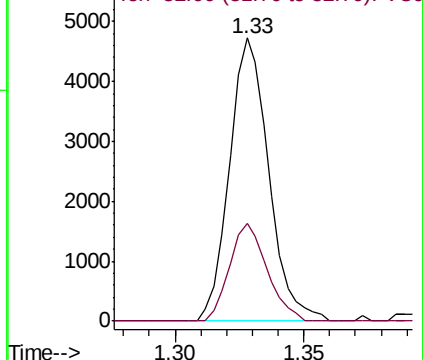
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 0.294 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029878.D

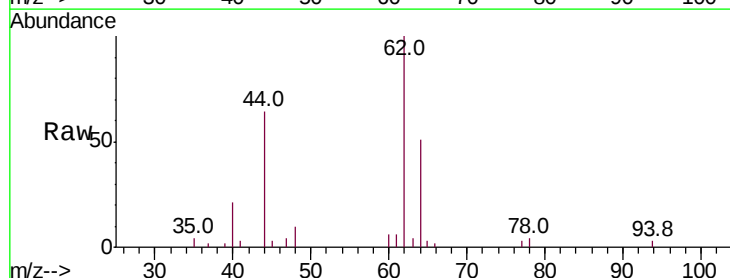
Acq: 08 Mar 2019 10:37

Tgt Ion: 62 Resp: 5738

Ion Ratio Lower Upper

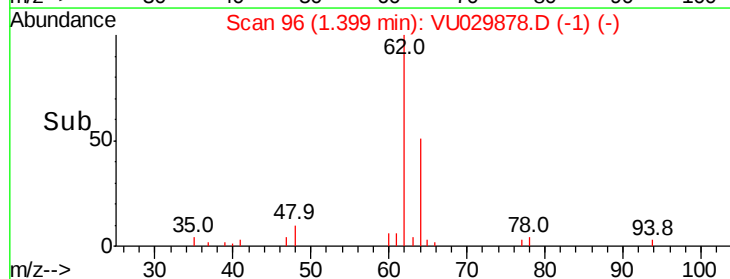
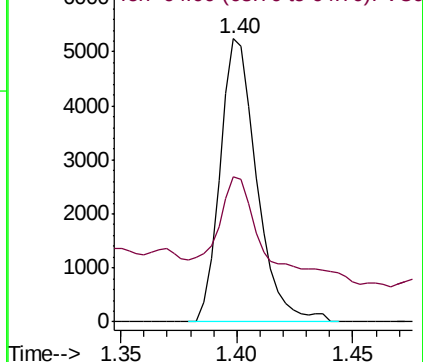
62 100

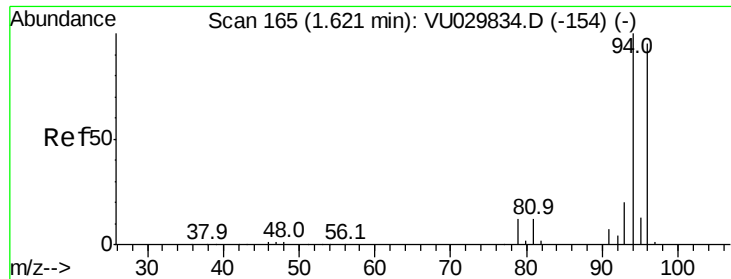
64 34.1 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.330 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 94 Resp: 4402

Ion Ratio Lower Upper

94 100

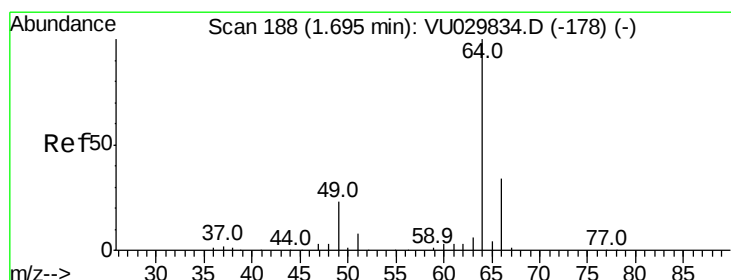
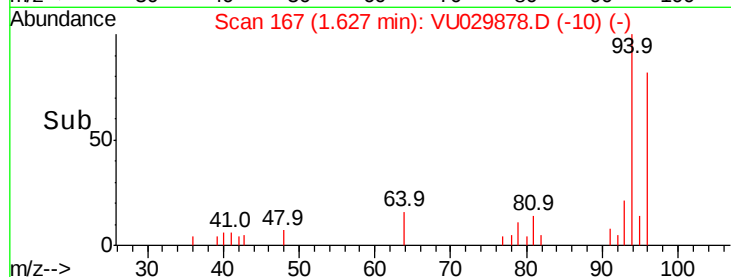
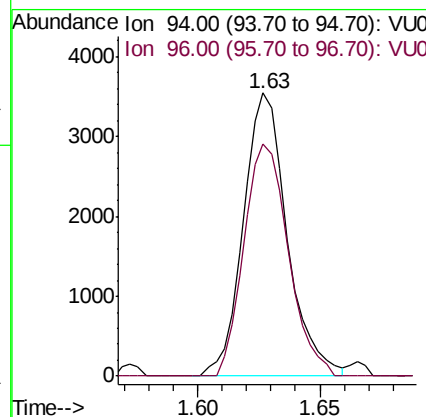
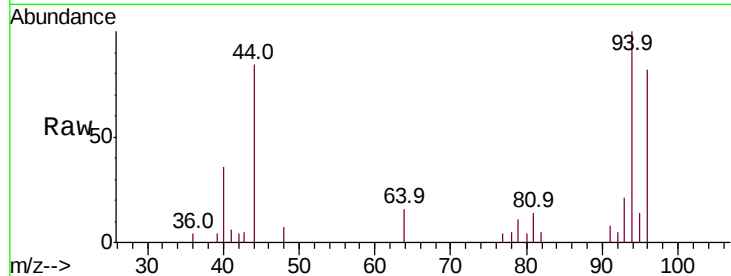
96 81.9 76.4 114.6

Manual Integrations

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#6

Chloroethane

Concen: 0.288 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029878.D

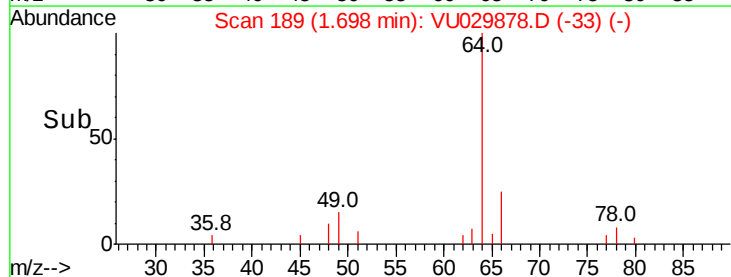
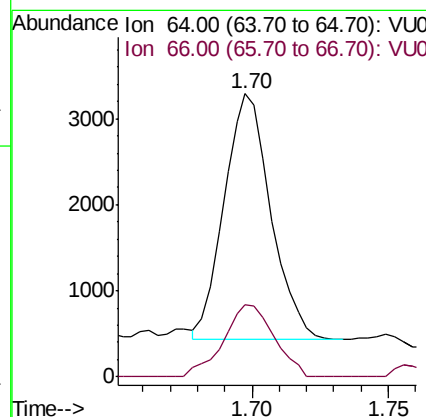
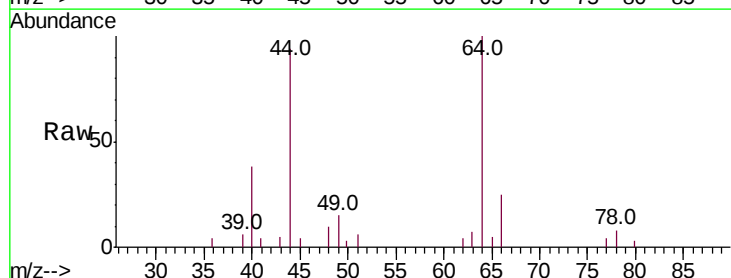
Acq: 08 Mar 2019 10:37

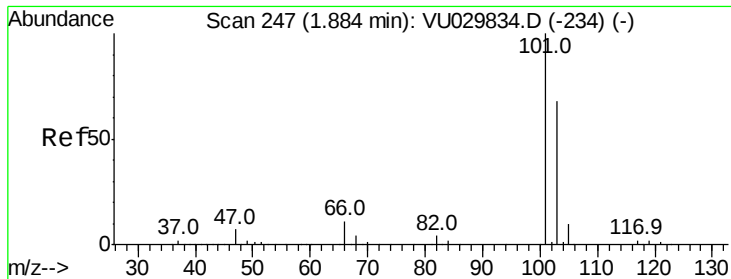
Tgt Ion: 64 Resp: 3373

Ion Ratio Lower Upper

64 100

66 29.4 27.3 40.9





#7

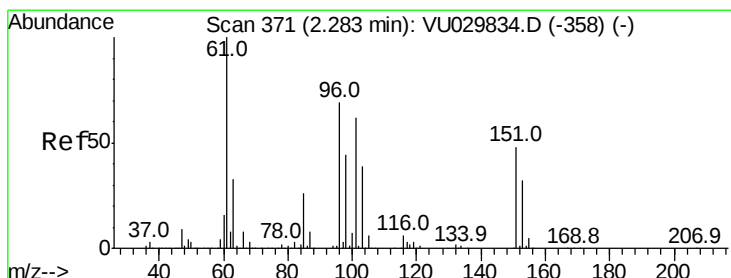
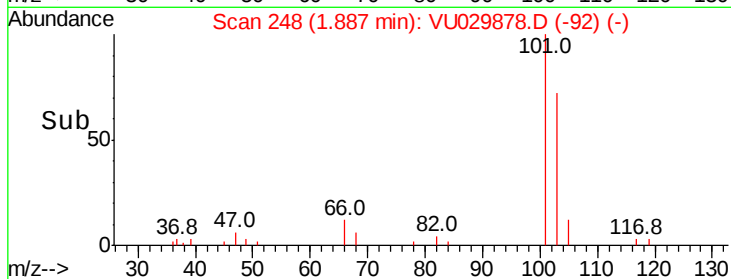
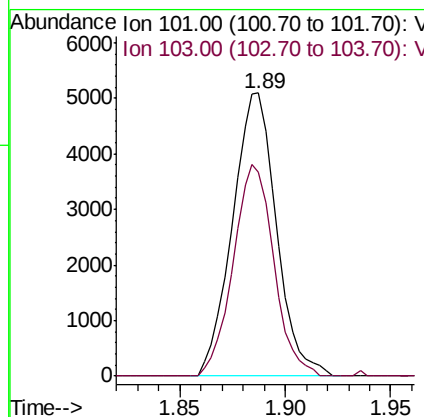
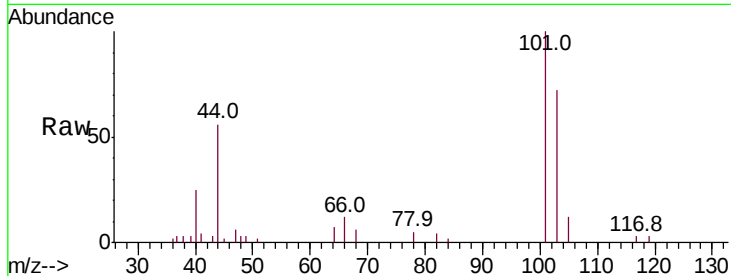
Trichlorofluoromethane
 Concen: 0.276 ug/l
 RT: 1.89 min Scan# 248
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion:101 Resp: 7354
 Ion Ratio Lower Upper
 101 100
 103 71.9 54.2 81.2

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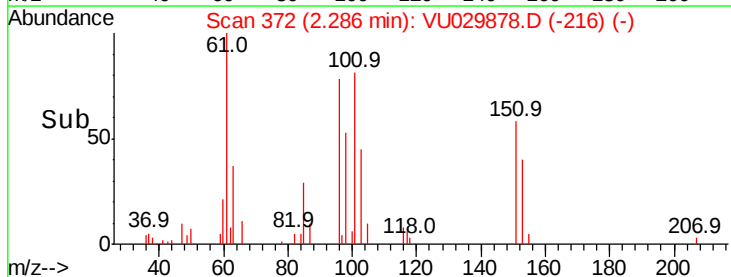
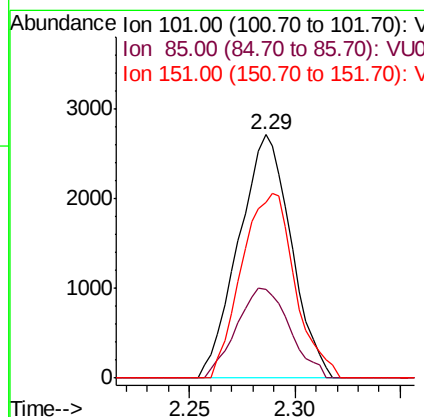
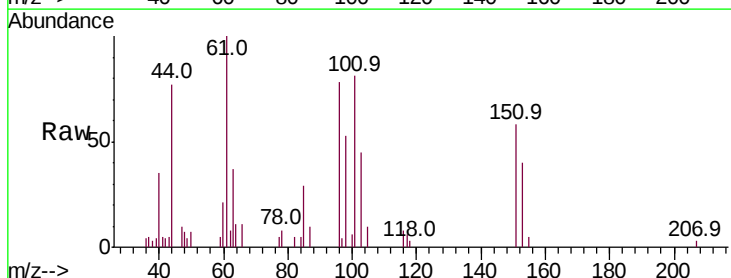
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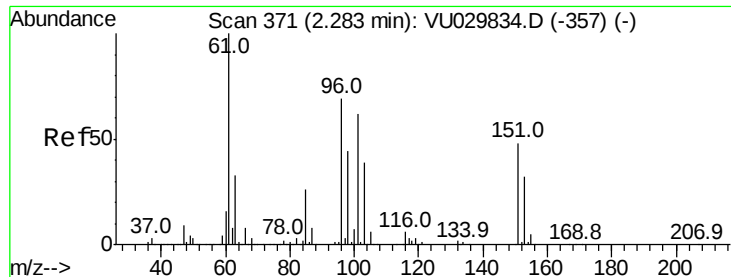


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.303 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion:101 Resp: 4696
 Ion Ratio Lower Upper
 101 100
 85 37.5 33.4 50.0
 151 77.0 64.6 97.0





#9

1,1-Dichloroethene

Concen: 0.288 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

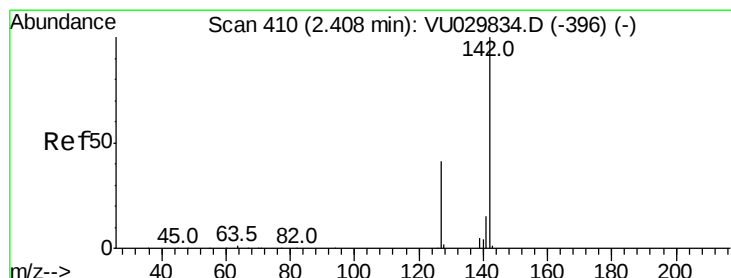
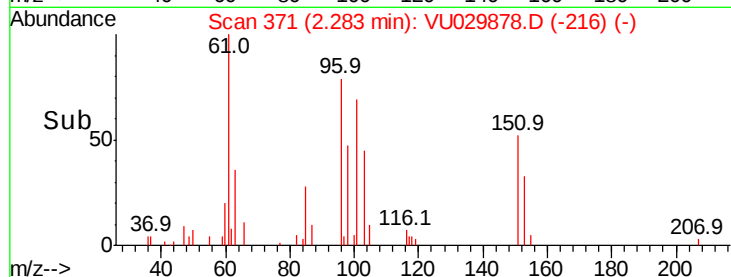
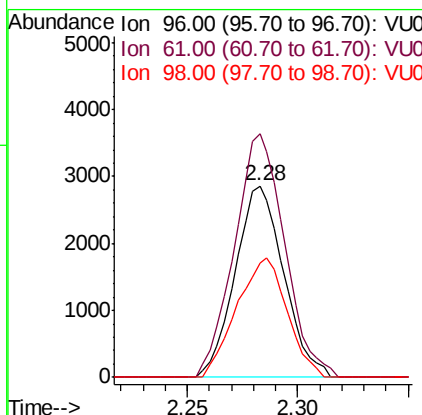
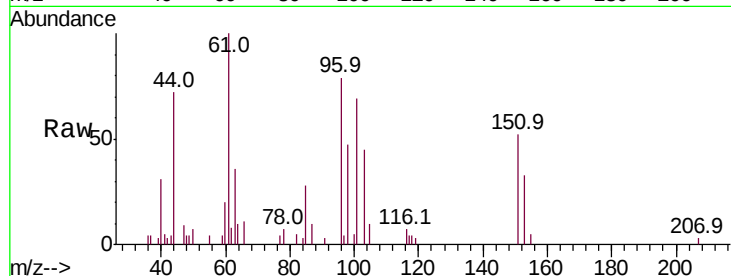
ClientSampleId :

MDL07

Tot Ion:	96	Resp:	4365
Ion	Ratio	Lower	Upper
96	100		
61	127.1	0.0	435.3
98	59.6	0.0	128.6

Manual Integrations
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#10

Iodomethane

Concen: 0.737 ug/l

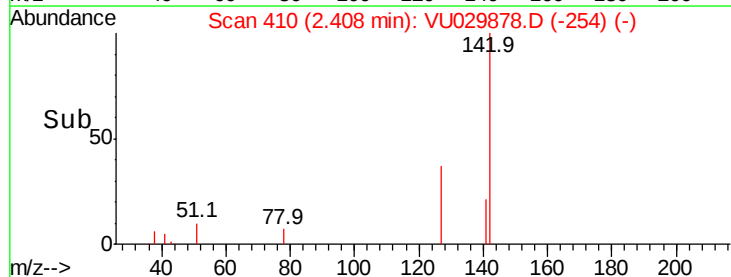
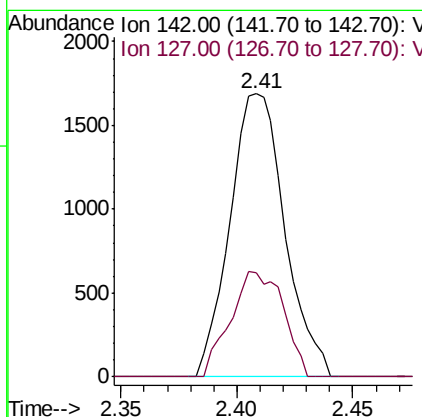
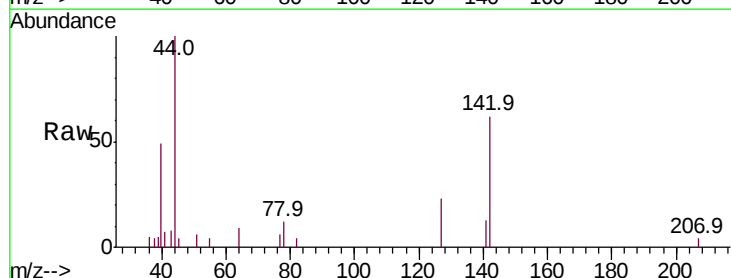
RT: 2.41 min Scan# 410

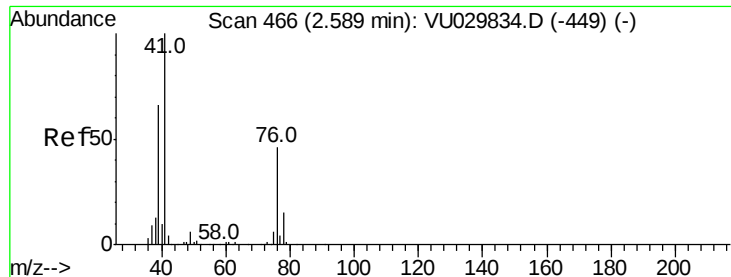
Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Tgt Ion:	142	Resp:	2778
Ion	Ratio	Lower	Upper
142	100		
127	35.6	32.3	48.5





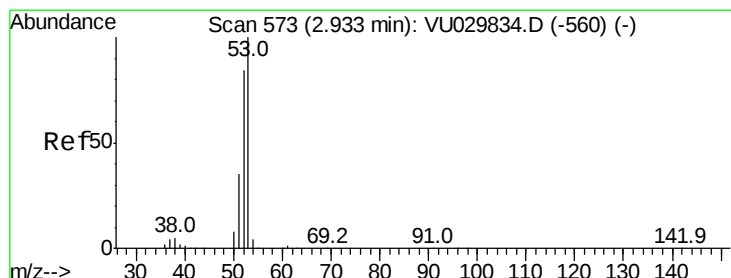
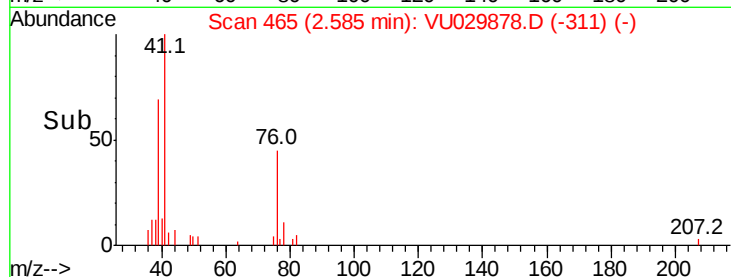
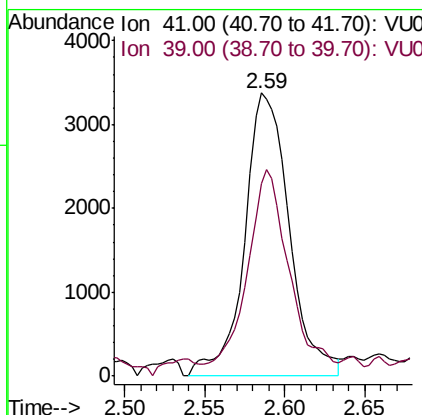
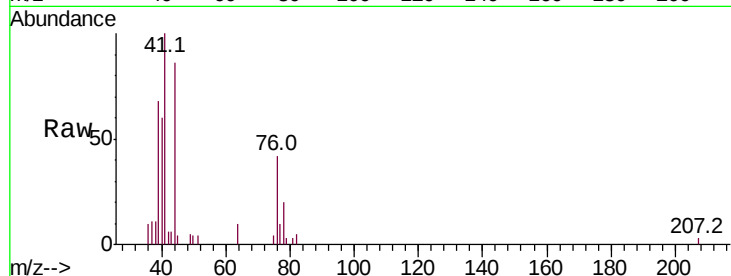
#11
Allvl Chloride
Concen: 0.305 ug/l
RT: 2.59 min Scan# 465
Delta R.T. -0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tot Ion: 41 Resp: 6491
Ion Ratio Lower Upper
41 100
39 65.0 51.6 77.4

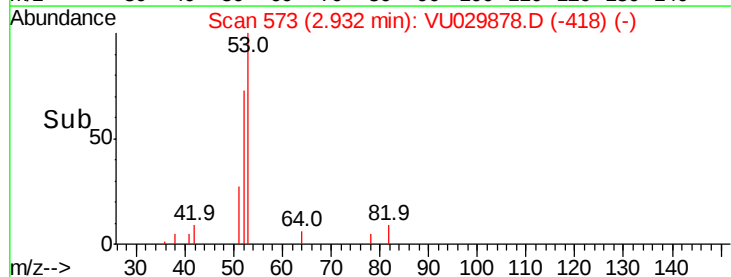
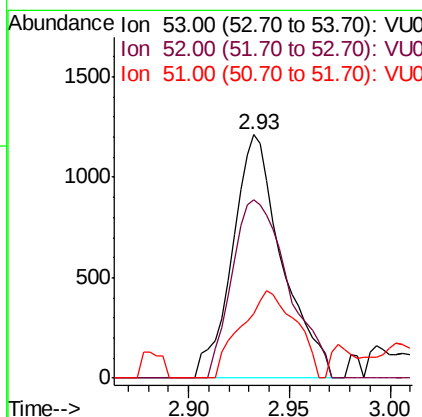
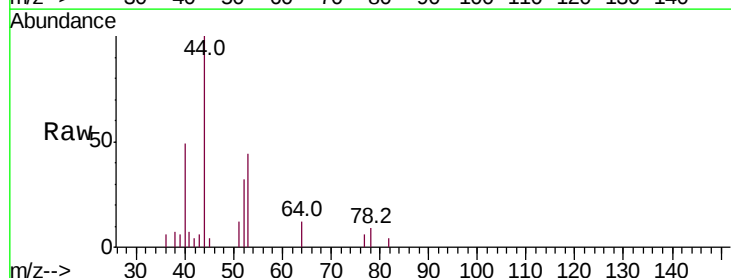
Manual Integrations
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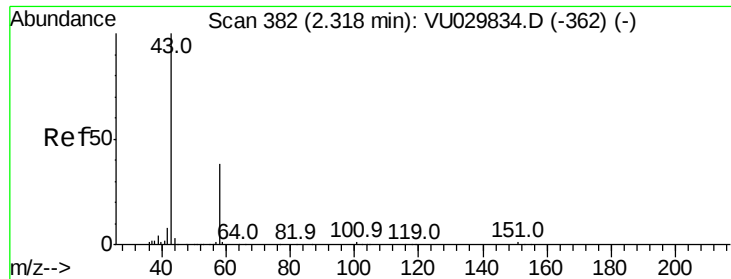
MMDadoda
3/11/2019 6:55:41 PM



#12
Acrylonitrile
Concen: 0.630 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion: 53 Resp: 2083
Ion Ratio Lower Upper
53 100
52 83.3 66.5 99.7
51 39.6 28.6 42.8





#13

Acetone

Concen: 1.674 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion: 43 Resp: 4580

Ion Ratio Lower Upper

43 100

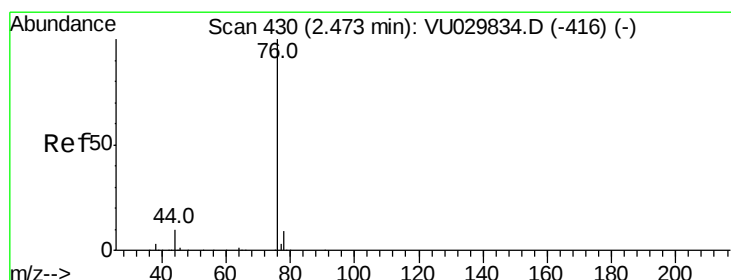
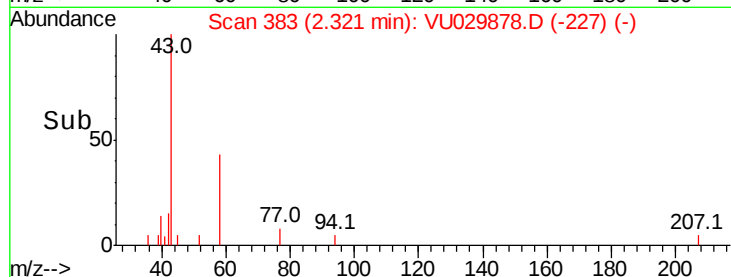
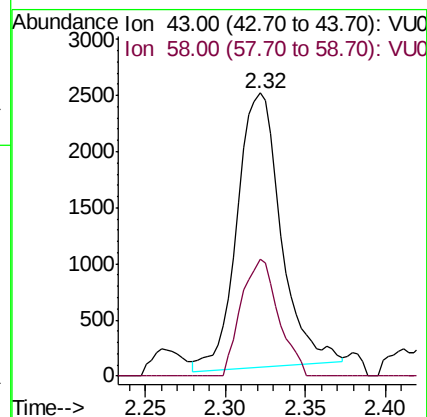
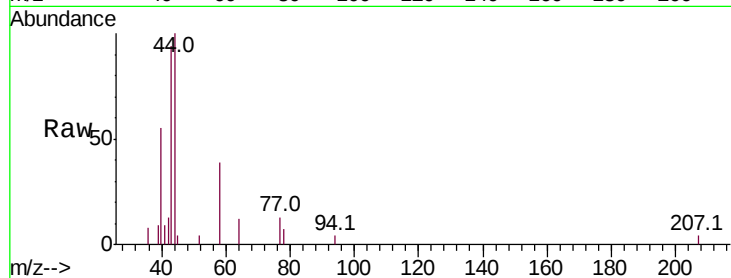
58 43.4 30.2 45.2

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#14

Carbon Disulfide

Concen: 0.278 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029878.D

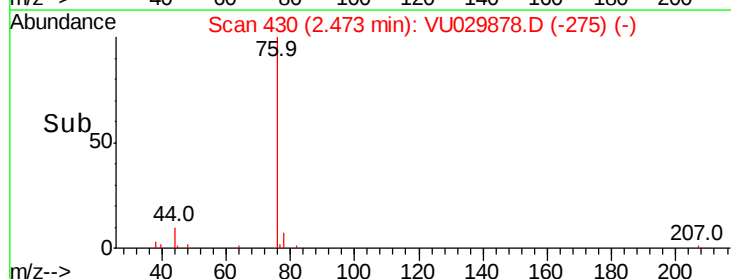
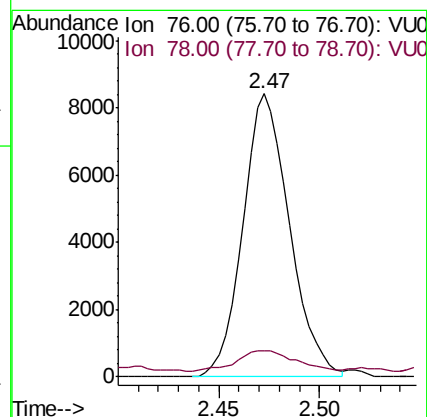
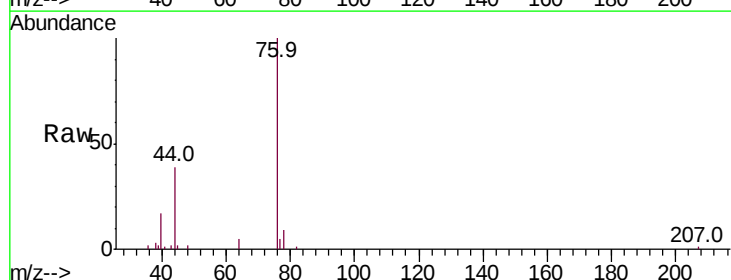
Acq: 08 Mar 2019 10:37

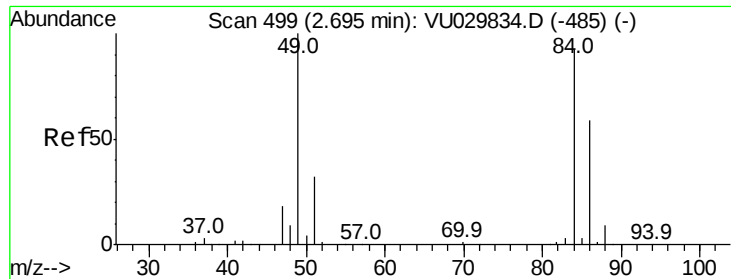
Tgt Ion: 76 Resp: 13631

Ion Ratio Lower Upper

76 100

78 7.2 7.2 10.8#





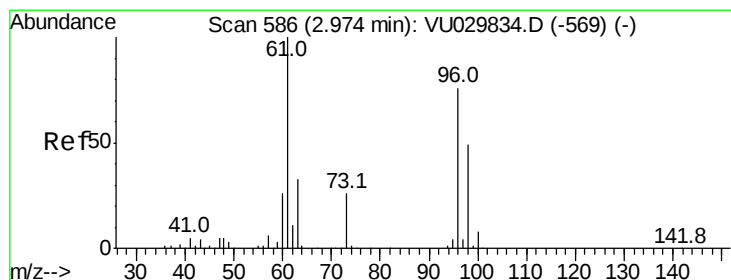
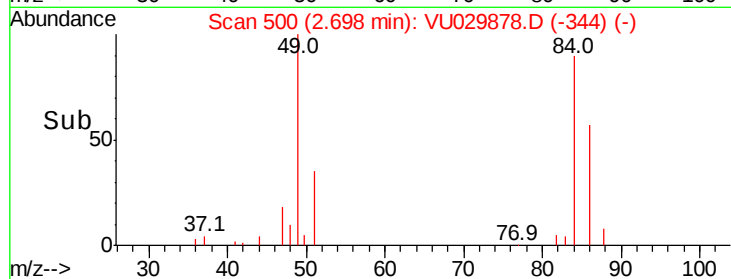
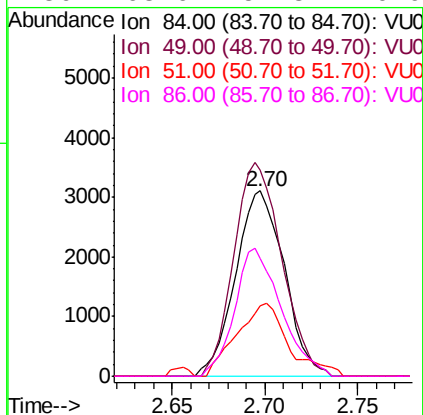
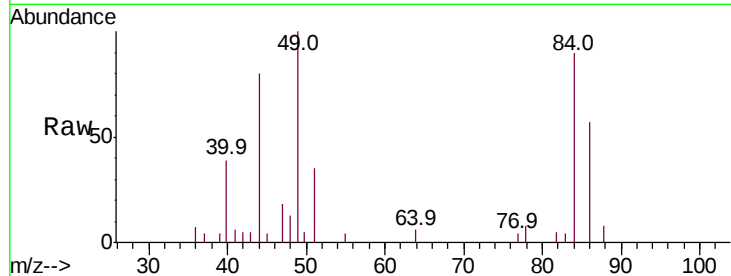
#15
Methvlene Chloride
Concen: 0.312 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tot Ion:	84	Resp:	5670
Ion	Ratio	Lower	Upper
84	100		
49	110.9	87.2	130.8
51	34.7	0.0	69.0
86	63.6	51.3	76.9

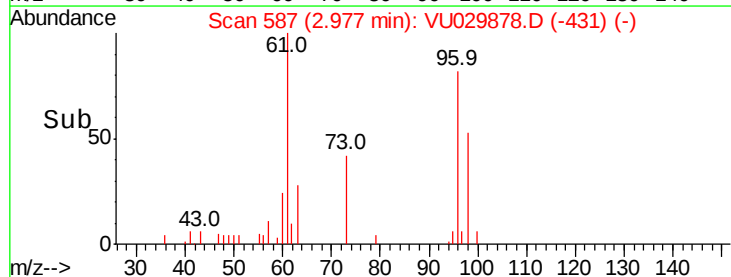
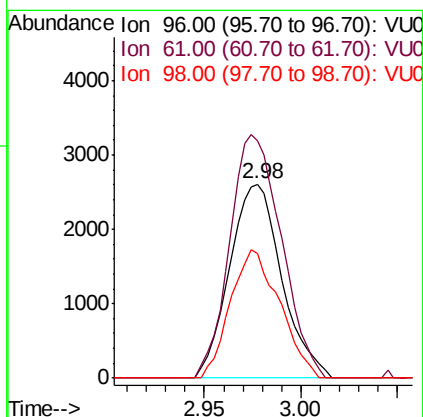
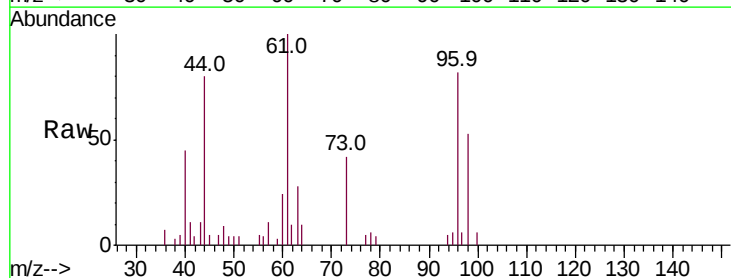
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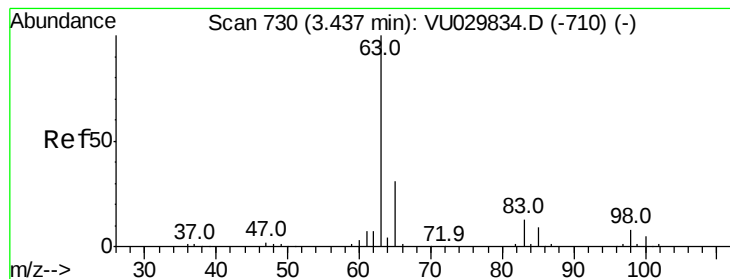
MMDadoda
3/11/2019 6:55:41 PM



#16
trans-1,2-Dichloroethene
Concen: 0.286 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion:	96	Resp:	4889
Ion	Ratio	Lower	Upper
96	100		
61	121.9	104.7	157.1
98	64.2	50.9	76.3





#17

1,1-Dichloroethane

Concen: 0.278 ug/l

RT: 3.44 min Scan# 732

Delta R.T. 0.01 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

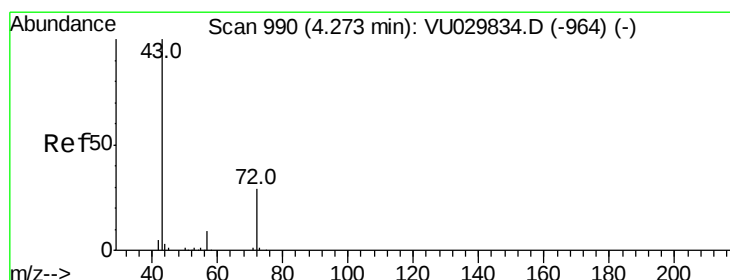
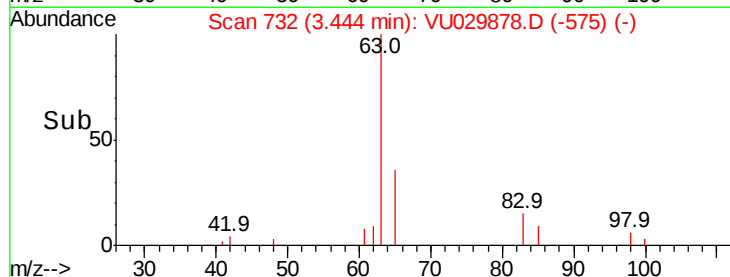
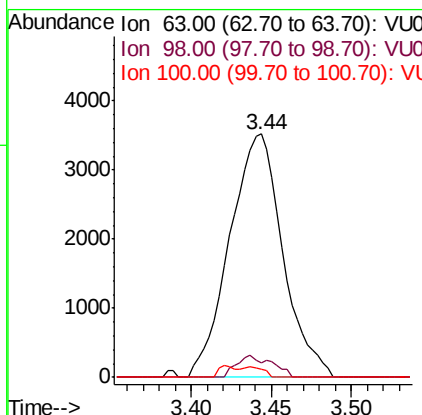
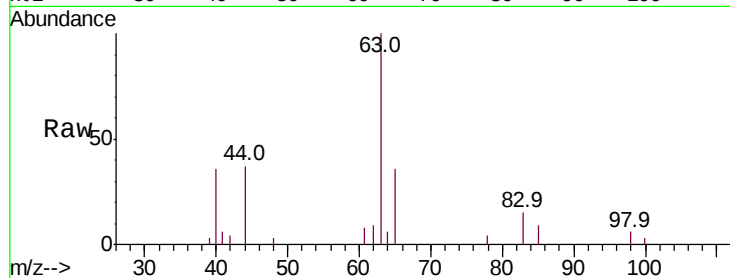
ClientSampleId :

MDL07

Tot Ion:	63	Resp:	7977
Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.8	11.4
100	3.2	2.4	7.1

Manual Integrations
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3/11/2019 6:55:41 PM



#18

2-Butanone

Concen: 1.071 ug/l

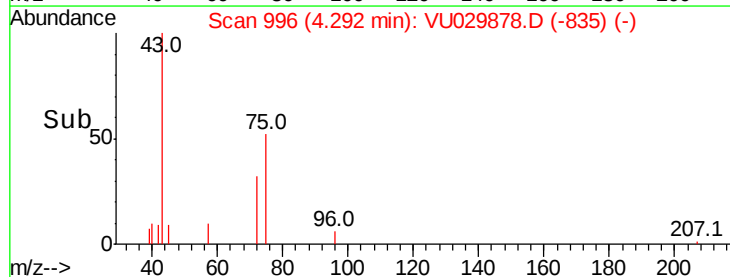
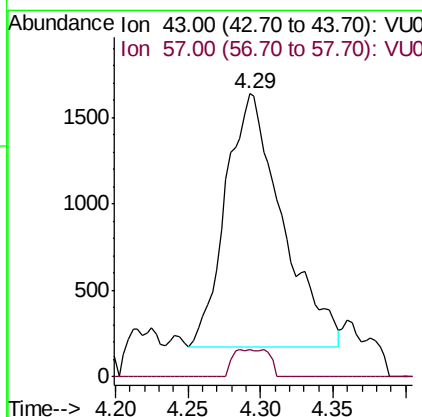
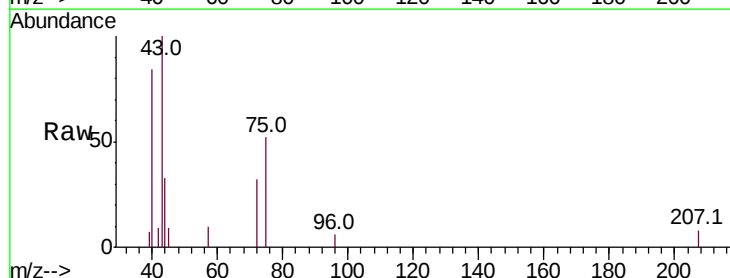
RT: 4.29 min Scan# 996

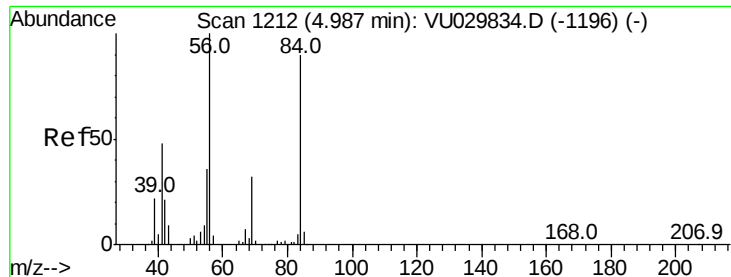
Delta R.T. 0.02 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Tgt Ion:	43	Resp:	3984
Ion	Ratio	Lower	Upper
43	100		
57	11.0	0.0	18.6





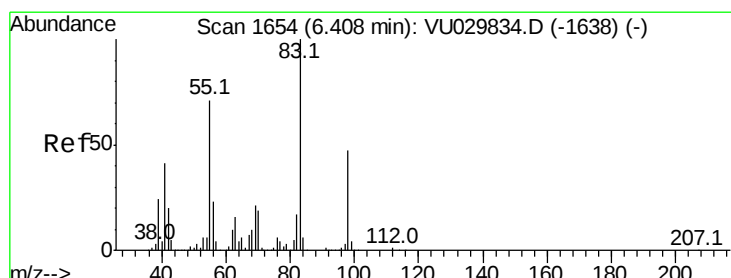
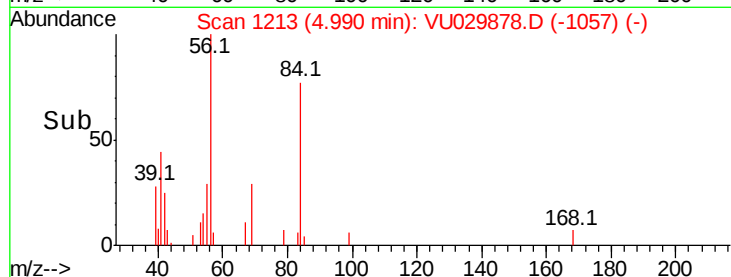
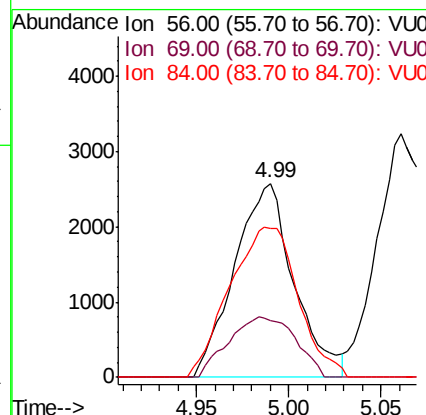
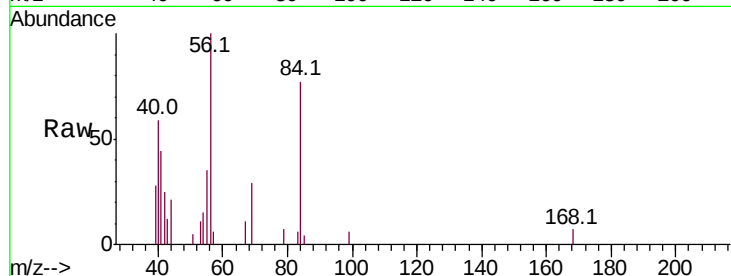
#19
Cyclohexane
Concen: 0.259 ug/l m
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	29.4	44.2
84	88.8	84.6	127.0

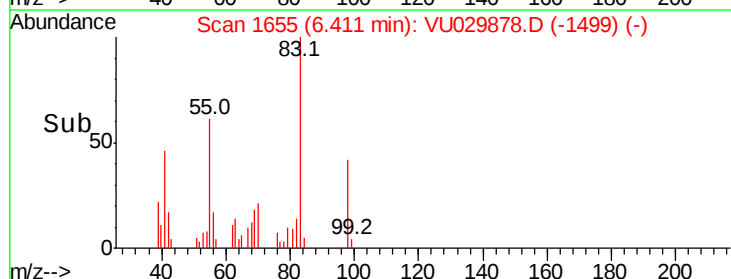
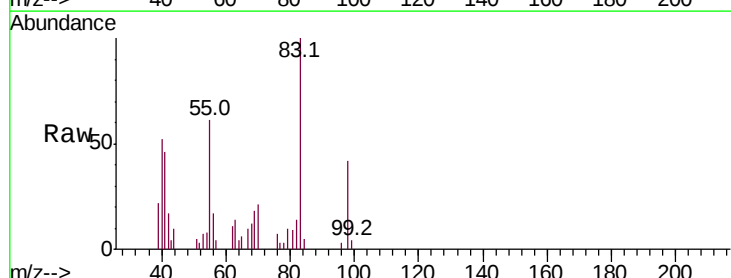
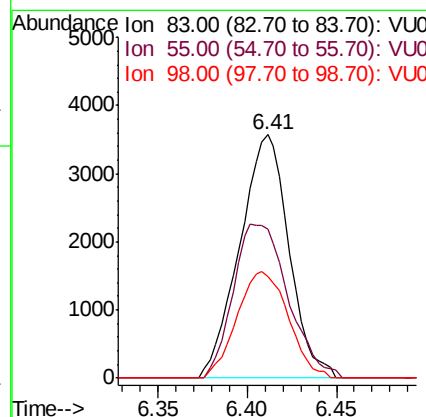
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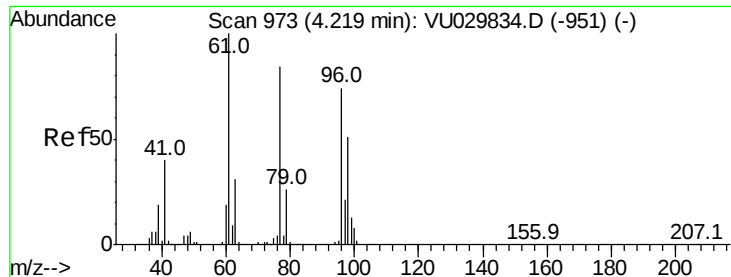
MMDadoda
3/11/2019 6:55:41 PM



#20
Methylcyclohexane
Concen: 0.265 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.3	55.9	83.9
98	45.7	37.0	55.4





#21

2,2-Dichloropropane

Concen: 0.298 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 77 Resp: 6967

Ion Ratio Lower Upper

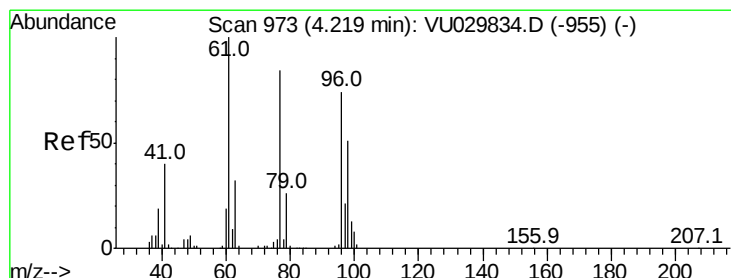
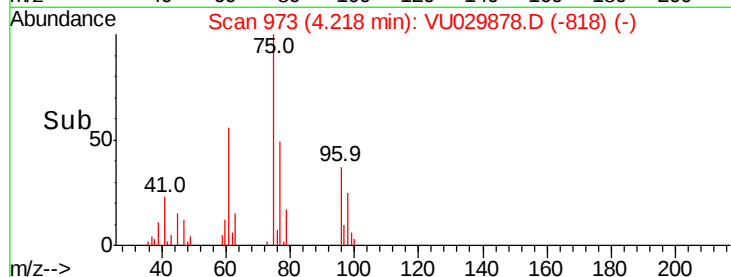
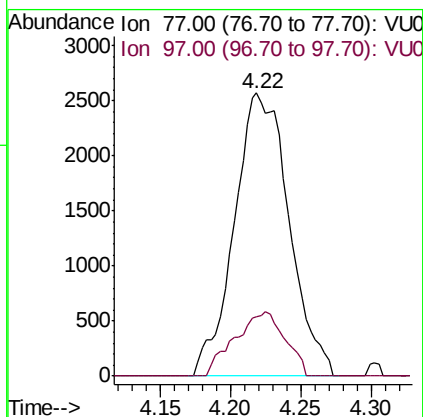
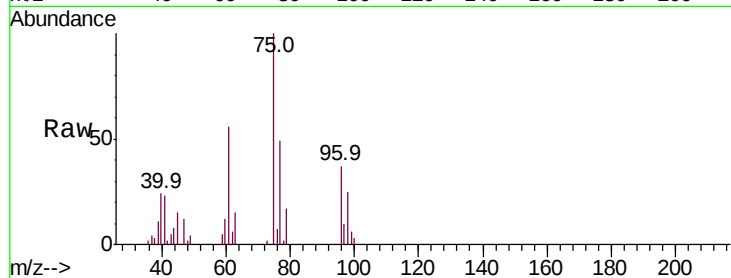
77 100

97 20.8 20.2 30.2

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3/11/2019 6:55:41 PM



#22

cis-1,2-Dichloroethene

Concen: 0.289 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

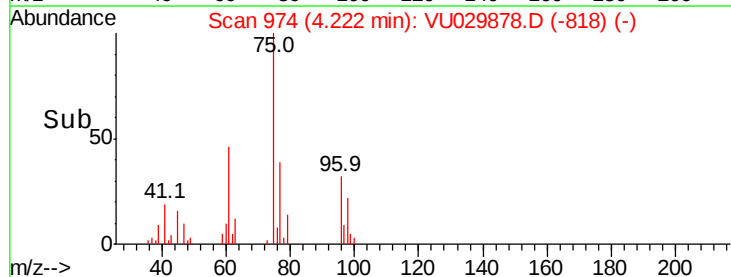
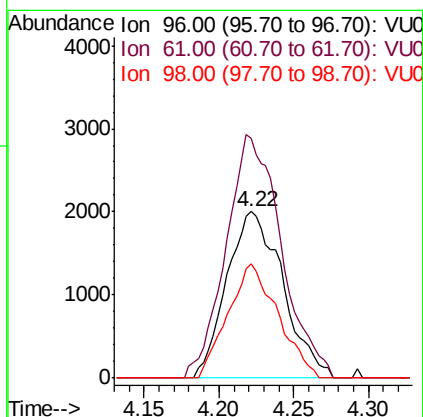
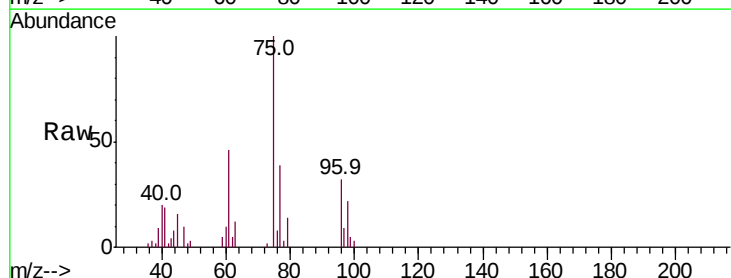
Tgt Ion: 96 Resp: 5238

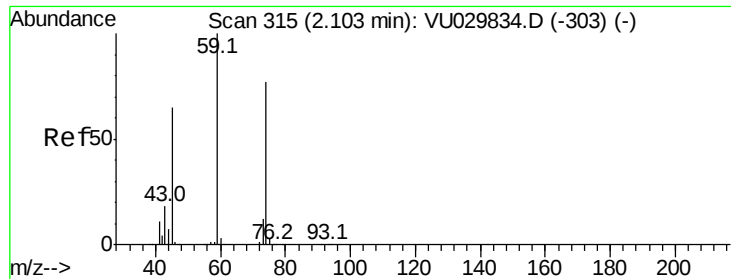
Ion Ratio Lower Upper

96 100

61 143.8 0.0 339.0

98 60.8 33.1 99.5





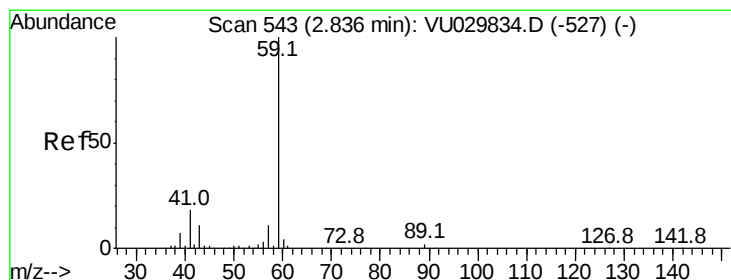
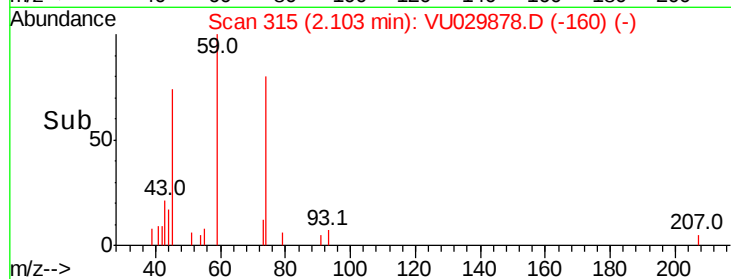
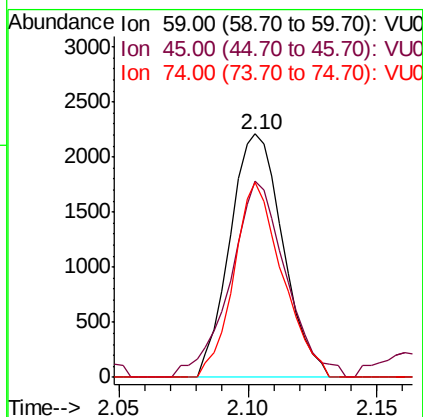
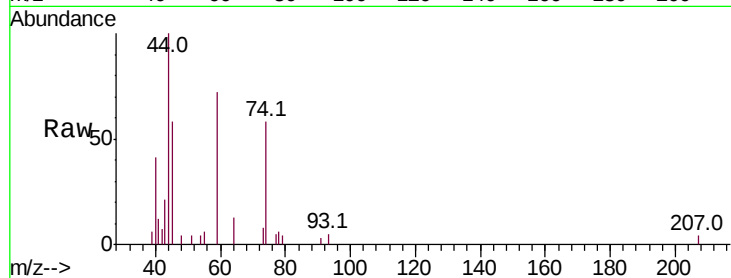
#23
Diethyl Ether
Concen: 0.279 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion: 59 Resp: 3165
Ion Ratio Lower Upper
59 100
45 84.6 52.7 79.1#
74 73.5 61.8 92.6

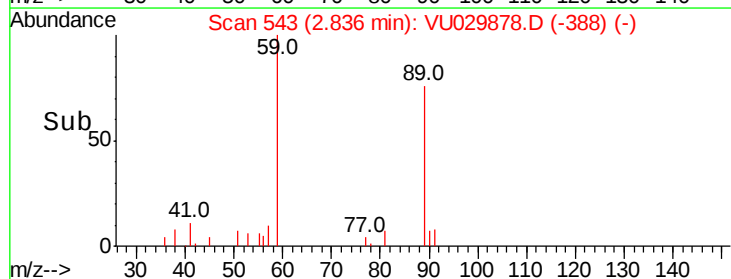
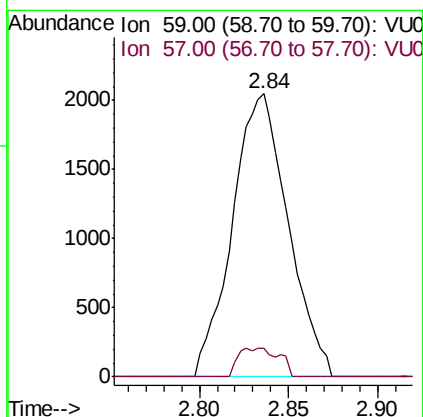
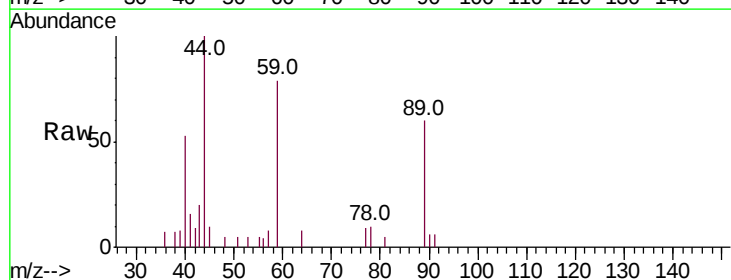
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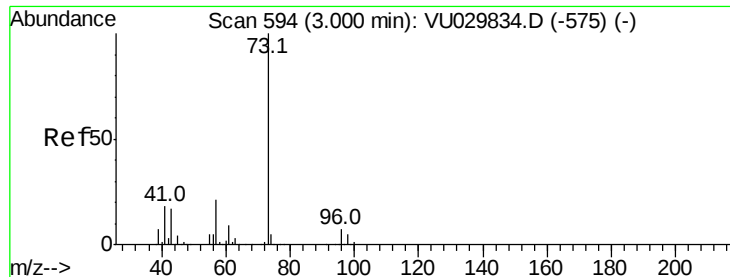
MMDadoda
3/11/2019 6:55:41 PM



#24
tert-Butyl Alcohol
Concen: 3.807 ug/l
RT: 2.84 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion: 59 Resp: 4461
Ion Ratio Lower Upper
59 100
57 7.5 8.5 12.7#





#25

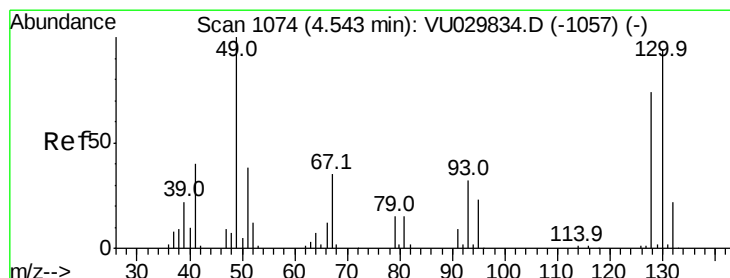
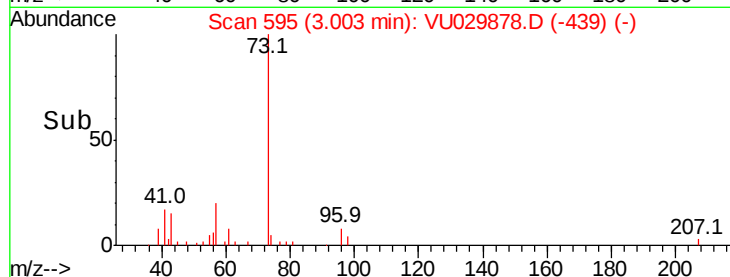
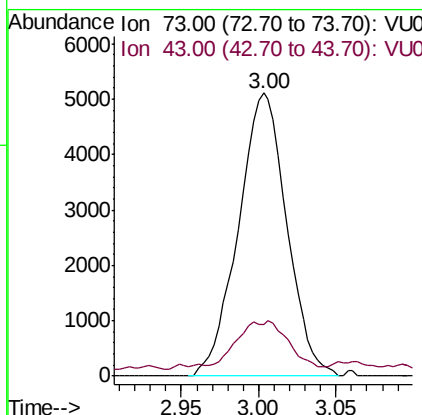
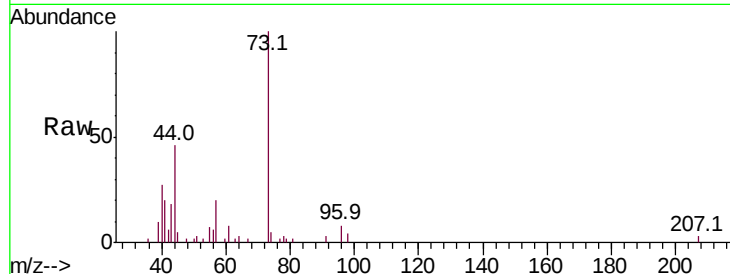
Methvl tert-Butvl Ether
 Concen: 0.292 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion: 73 Resp: 11133
 Ion Ratio Lower Upper
 73 100
 43 8.8 13.1 19.7#

Manual Integrations
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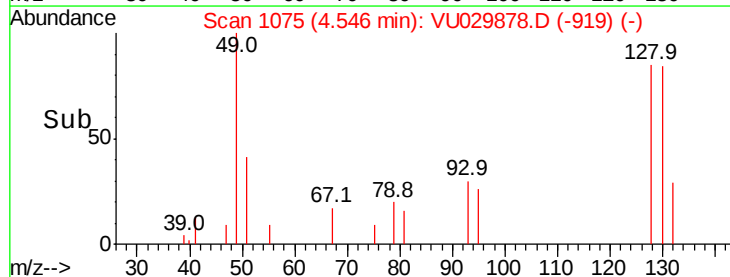
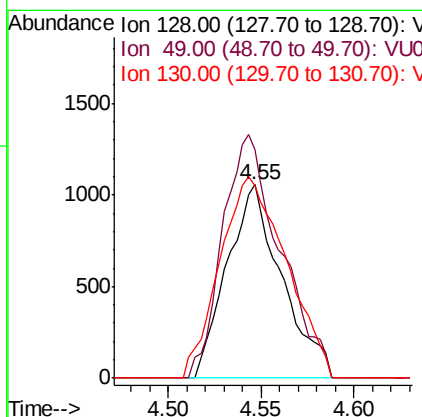
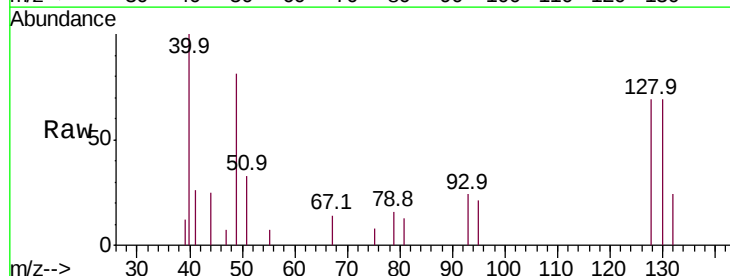
MMDadoda
 3/11/2019 6:55:41 PM

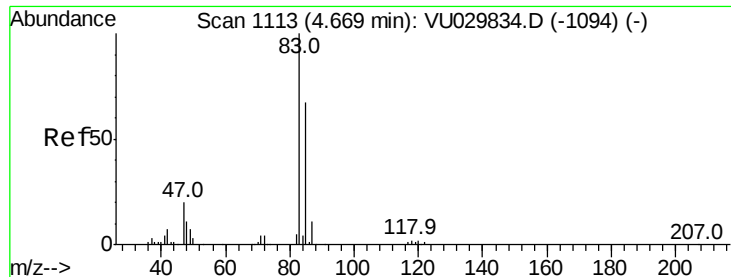


#26

Bromochloromethane
 Concen: 0.268 ug/l
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion: 128 Resp: 2159
 Ion Ratio Lower Upper
 128 100
 49 133.0 0.0 270.6
 130 126.4 104.2 156.4





#27

Chloroform

Concen: 0.258 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 83 Resp: 7482

Ion Ratio Lower Upper

83 100

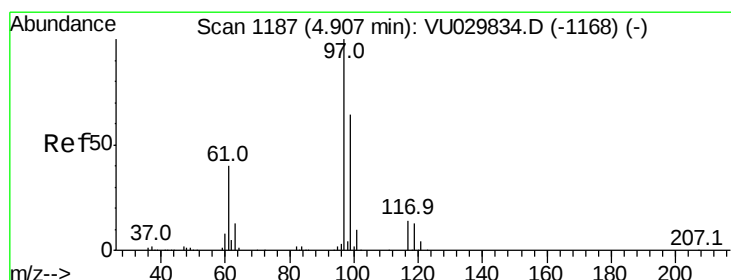
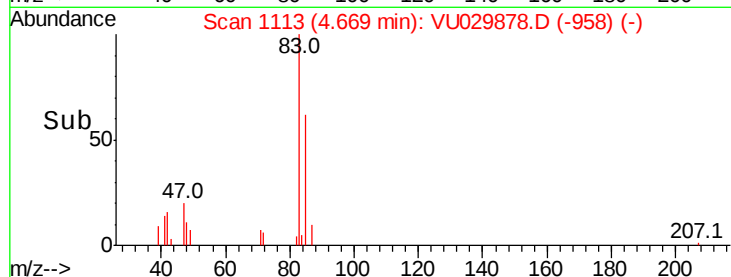
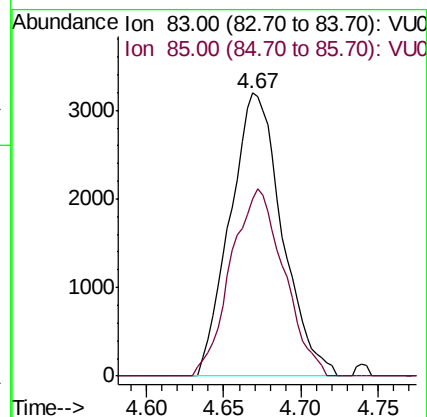
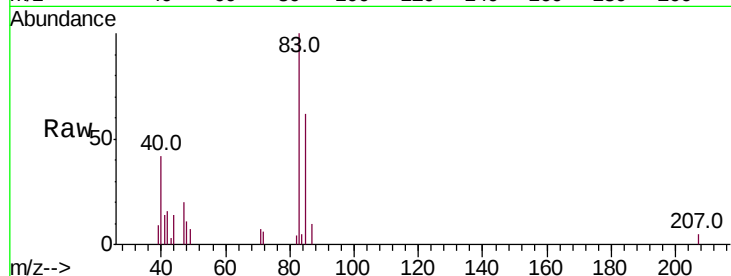
85 62.4 0.0 133.2

Manual Integrations

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#28

1,1,1-Trichloroethane

Concen: 0.280 ug/l

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

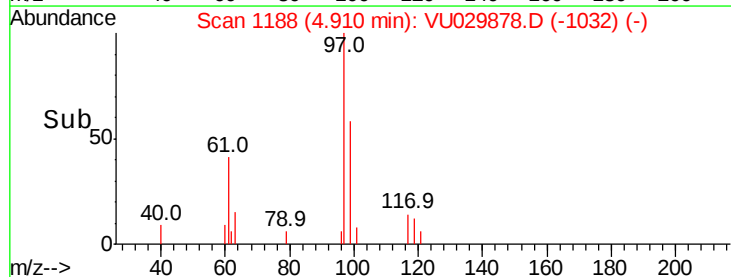
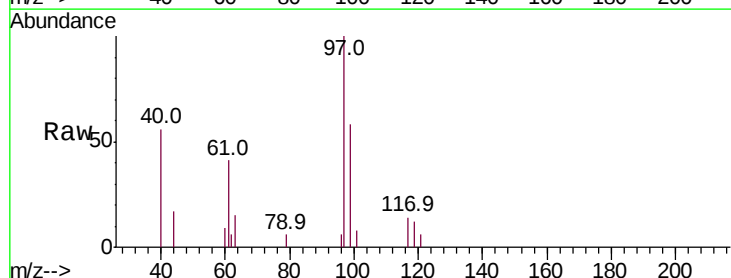
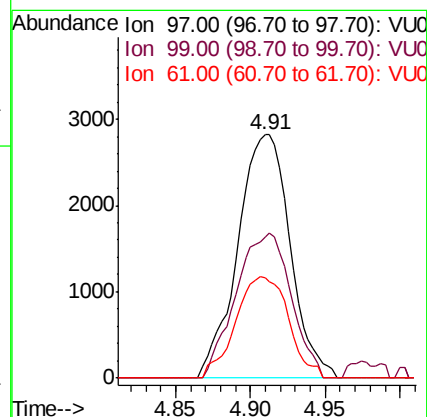
Tgt Ion: 97 Resp: 6887

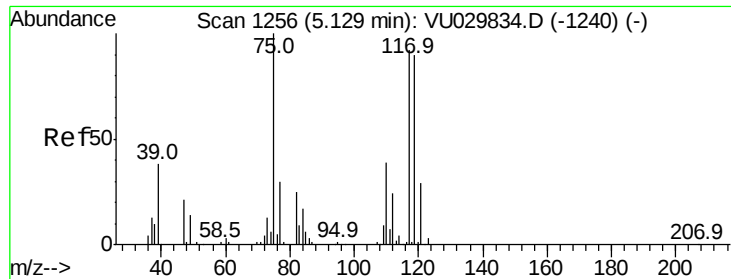
Ion Ratio Lower Upper

97 100

99 62.5 31.9 95.9

61 41.9 20.4 61.3





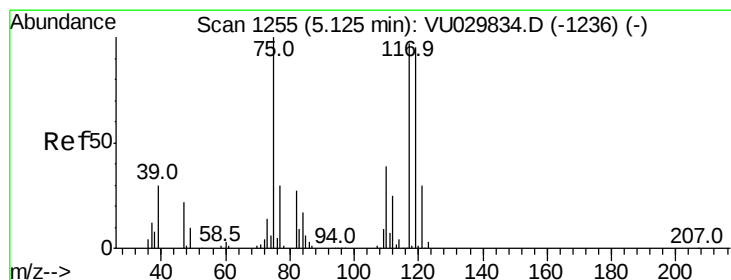
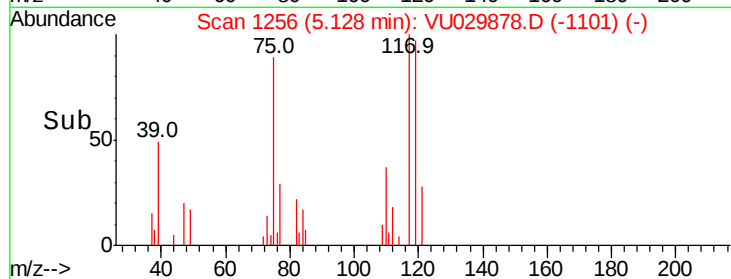
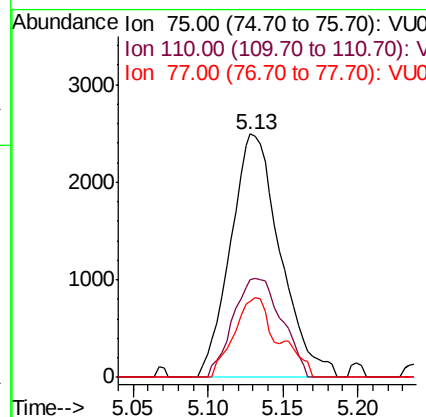
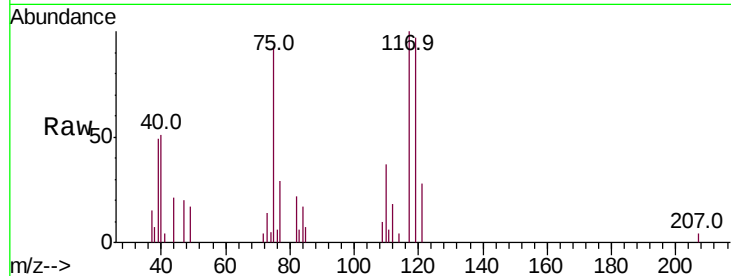
#29
 1,1-Dichloropropene
 Concen: 0.264 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.8	19.1	57.5
77	23.9	23.9	35.9#

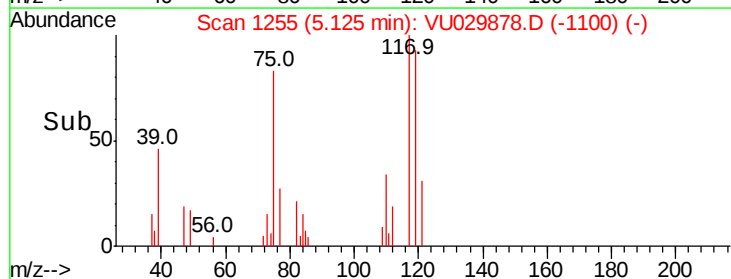
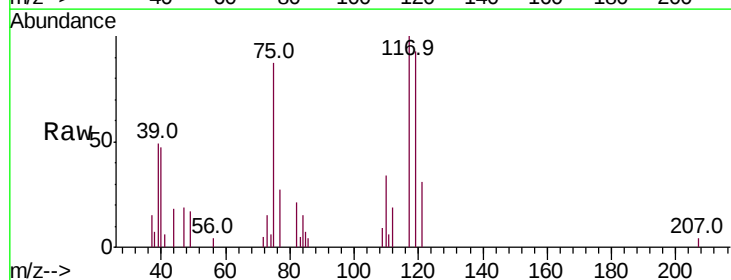
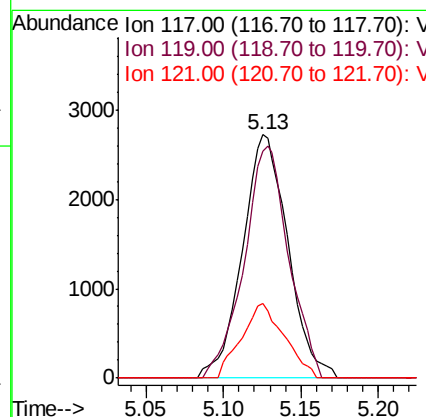
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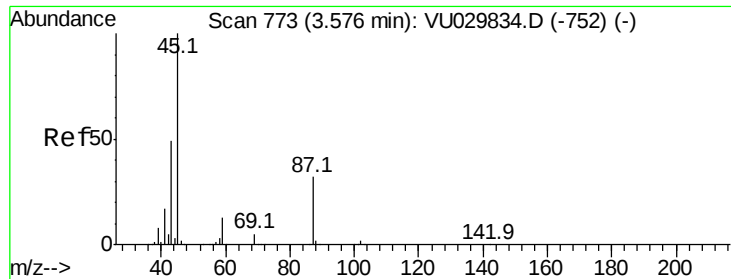
MMDadoda
 3/11/2019 6:55:41 PM



#30
 Carbon Tetrachloride
 Concen: 0.259 ug/l
 RT: 5.13 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	78.4	117.6
121	30.6	25.0	37.4





#31

Isopropyl Ether

Concen: 0.274 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 45 Resp: 10812

Ion Ratio Lower Upper

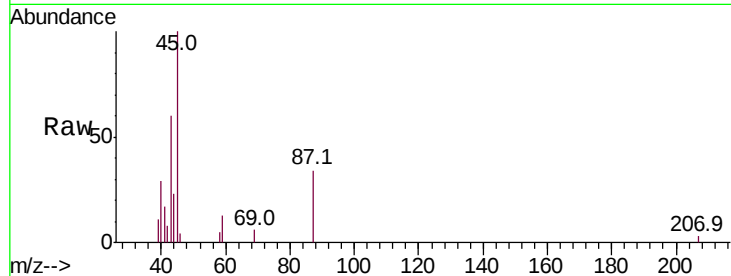
45 100

43 58.4 24.3 72.9

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Abundance Ion 45.00 (44.70 to 45.70): VU029834.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU029834.D (-752) (-)

5000

4000

3000

2000

1000

0

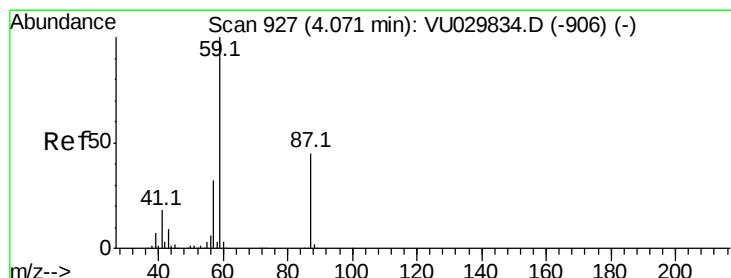
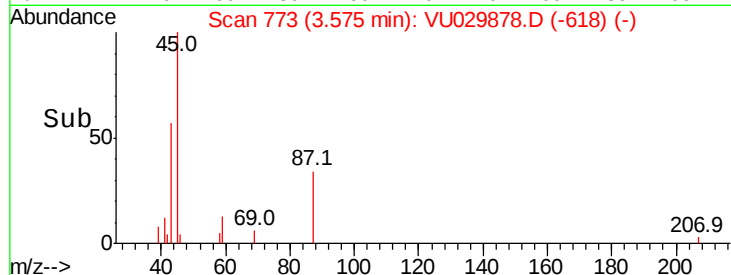
Time-->

3.50

3.55

3.60

3.65



#32

Ethyl-t-butyl ether

Concen: 0.256 ug/l m

RT: 4.07 min Scan# 926

Delta R.T. -0.00 min

Lab File: VU029878.D

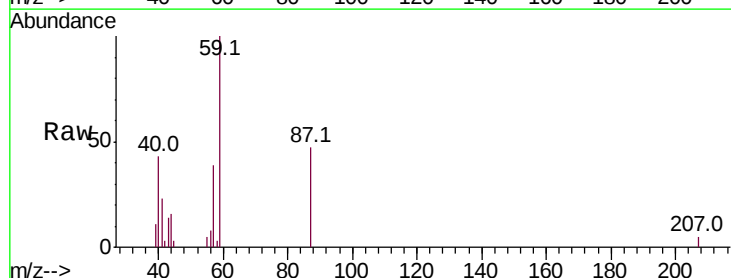
Acq: 08 Mar 2019 10:37

Tgt Ion: 59 Resp: 9824

Ion Ratio Lower Upper

59 100

87 23.9 36.2 54.4#



Abundance Ion 59.00 (58.70 to 59.70): VU029834.D (-906) (-)

Ion 87.00 (86.70 to 87.70): VU029834.D (-906) (-)

3000

2000

1000

0

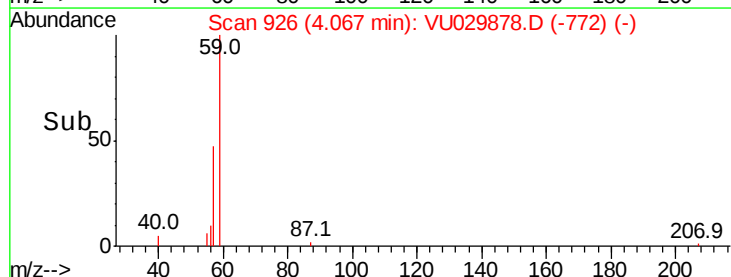
Time-->

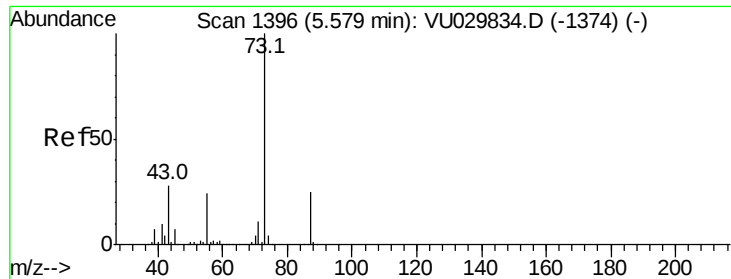
4.00

4.05

4.10

4.15





#33

Tert-Amvl methvl ether

Concen: 0.270 ug/l m

RT: 5.58 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU029878.D

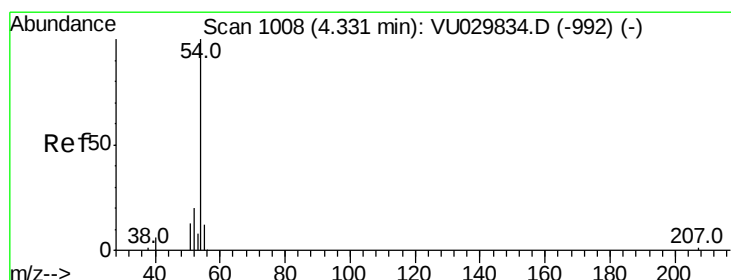
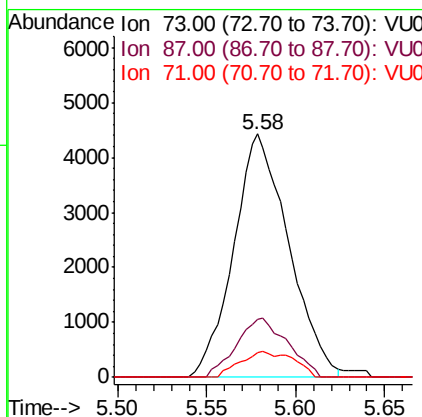
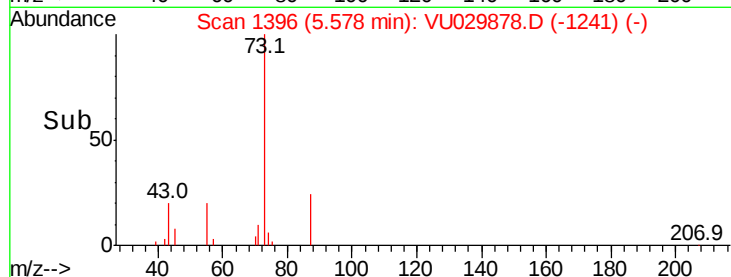
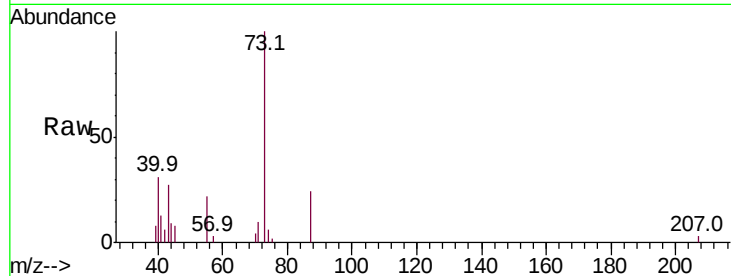
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.5	19.7	29.5
71	10.1	9.4	14.2

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#34

Propionitrile

Concen: 0.939 ug/l m

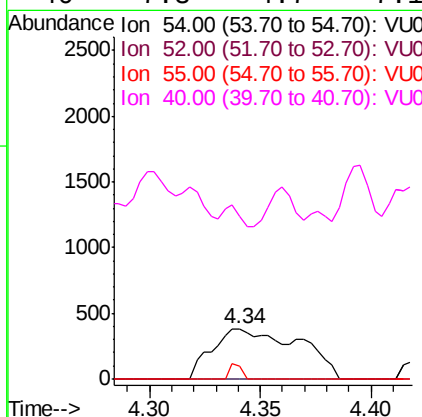
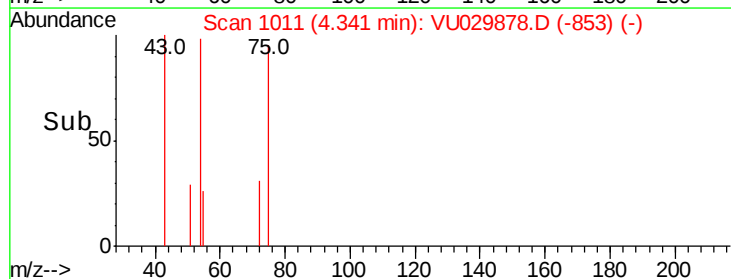
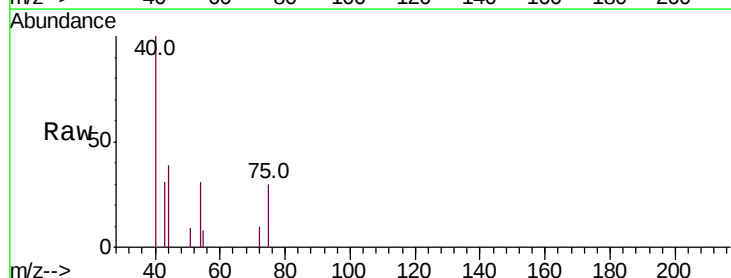
RT: 4.34 min Scan# 1011

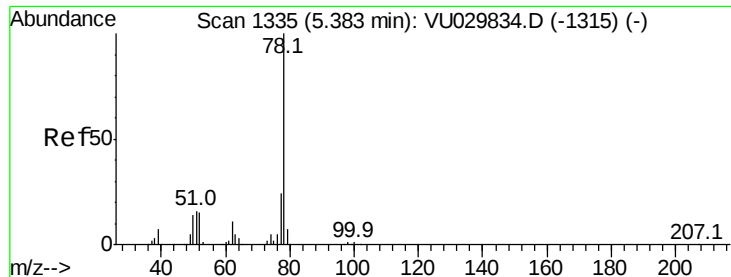
Delta R.T. 0.01 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Tgt Ion	Ratio	Lower	Upper
54	100		
52	0.0	16.1	24.1#
55	4.1	11.2	16.8#
40	7.3	4.7	7.1#





#35

Benzene

Concen: 0.253 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 78 Resp: 16310

Ion Ratio Lower Upper

78 100

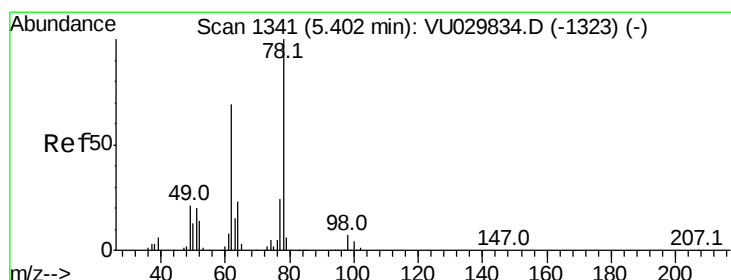
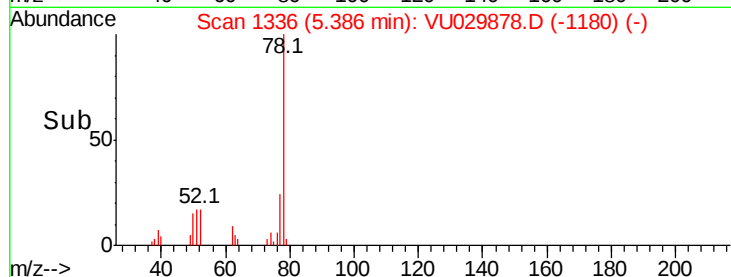
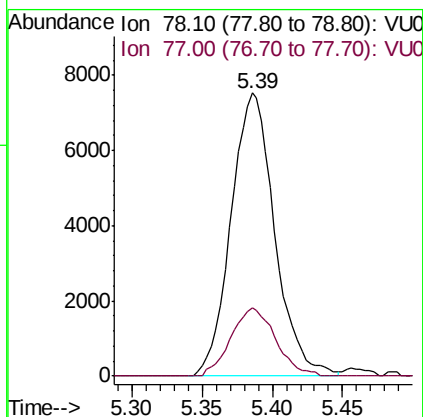
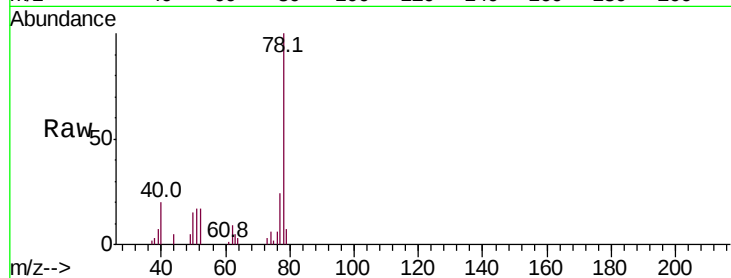
77 24.1 19.2 28.8

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#36

1,2-Dichloroethane

Concen: 0.262 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029878.D

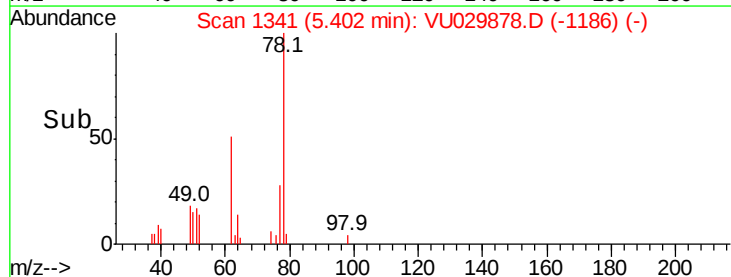
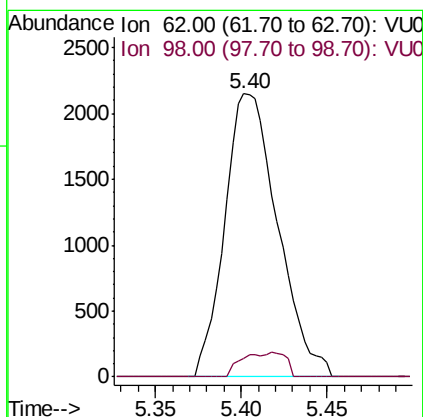
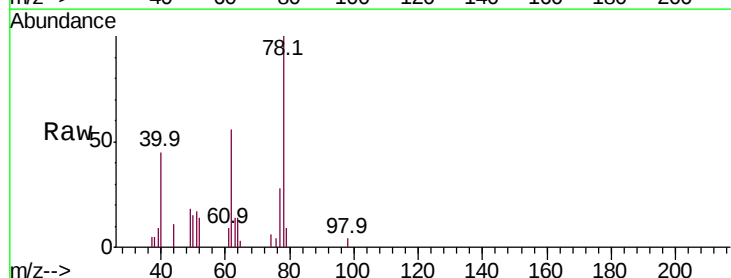
Acq: 08 Mar 2019 10:37

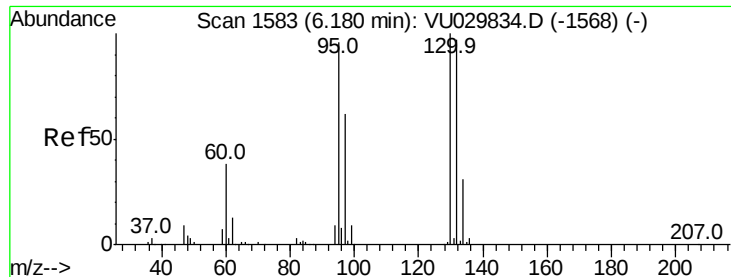
Tgt Ion: 62 Resp: 4603

Ion Ratio Lower Upper

62 100

98 3.6 8.2 12.2#





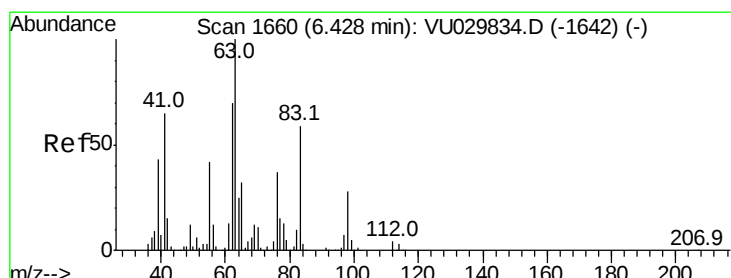
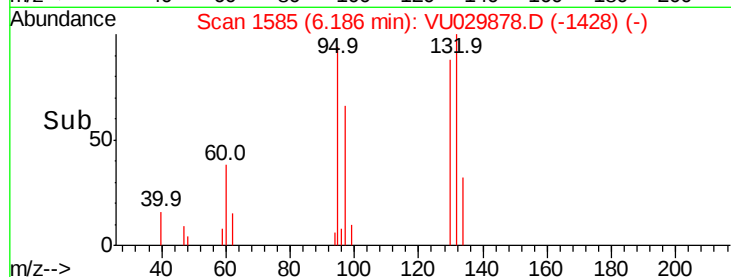
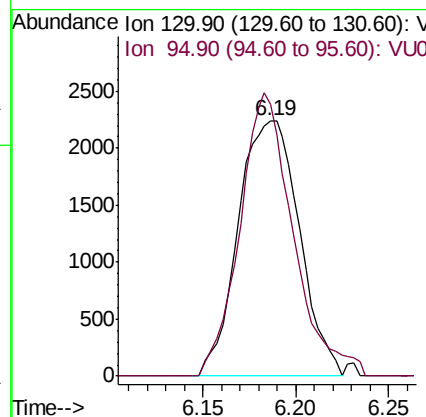
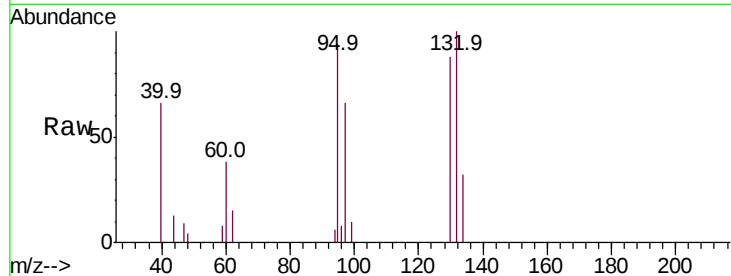
#37
 Trichloroethene
 Concen: 0.273 ug/l
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tot Ion:130 Resp: 5138
 Ion Ratio Lower Upper
 130 100
 95 106.7 76.6 114.8

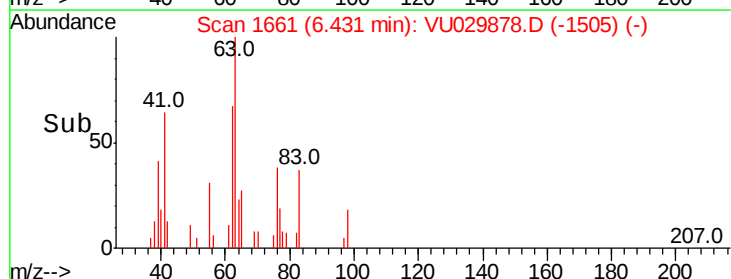
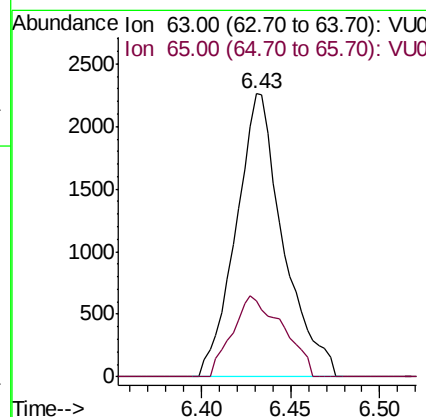
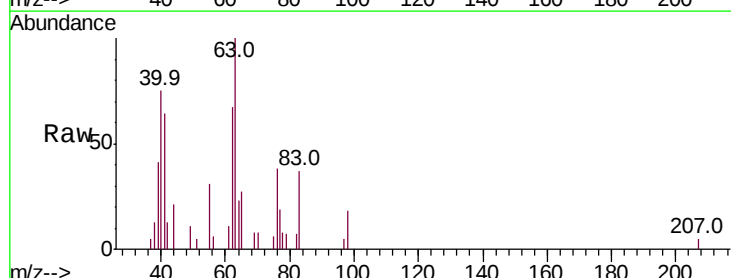
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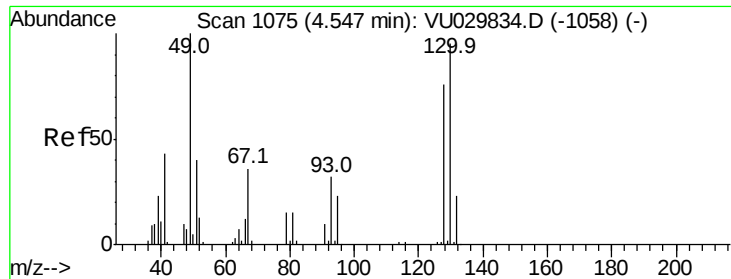
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#38
 1,2-Dichloropropane
 Concen: 0.255 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion: 63 Resp: 4157
 Ion Ratio Lower Upper
 63 100
 65 27.1 25.4 38.2





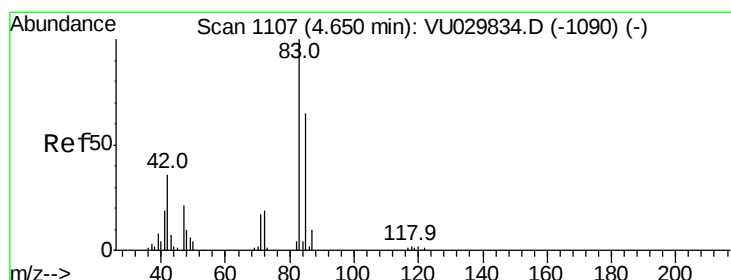
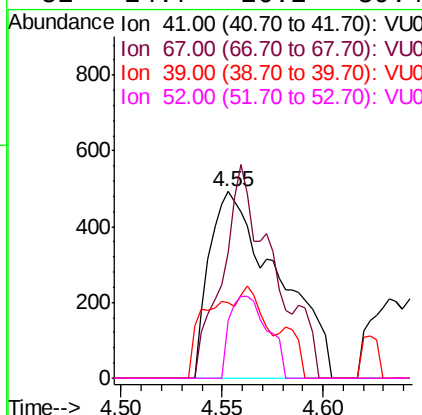
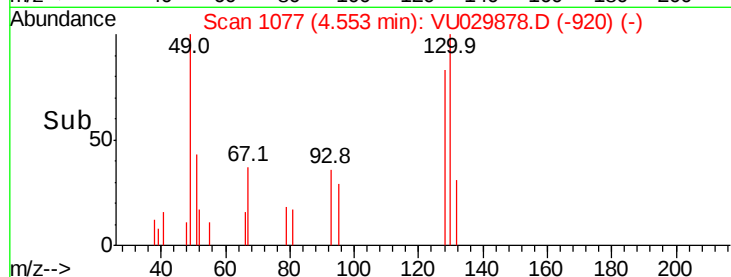
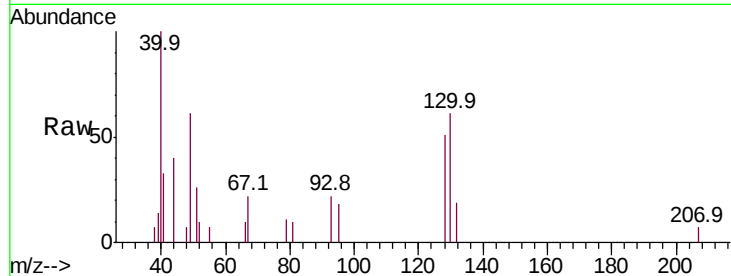
#39
Methacrylonitrile
Concen: 0.249 ug/l
RT: 4.55 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
67	85.2	68.4	102.6	
39	39.5	42.6	63.8#	
52	24.7	26.2	39.4#	

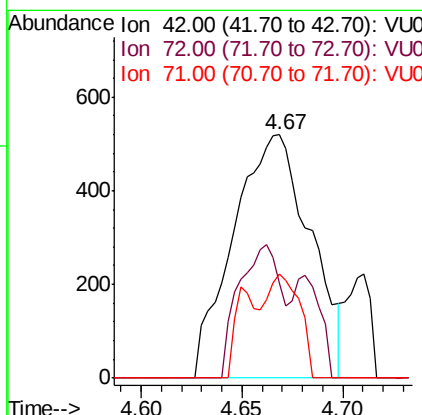
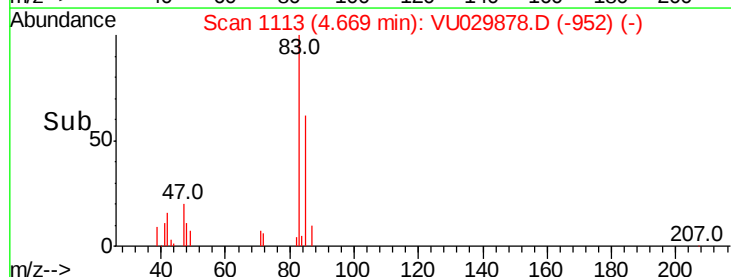
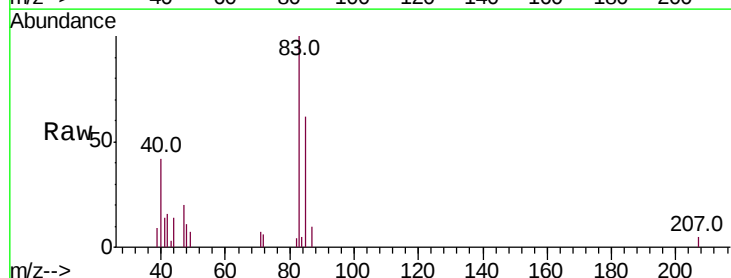
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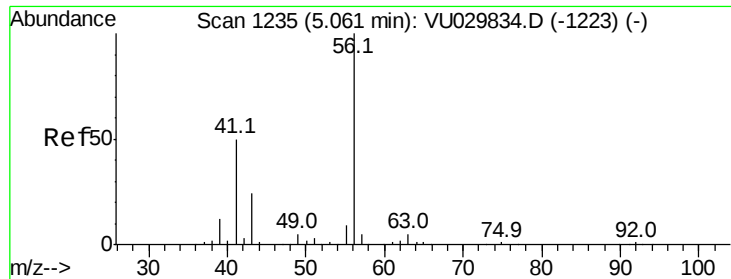
MMDadoda
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#41
Tetrahydrofuran
Concen: 0.565 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion	Ion	Ratio	Lower	Upper
42	100			
72	30.2	43.6	65.4#	
71	18.0	37.5	56.3#	





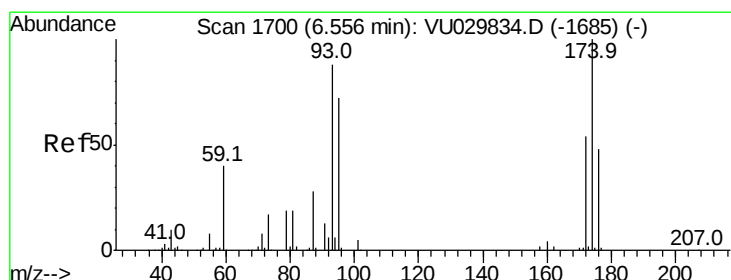
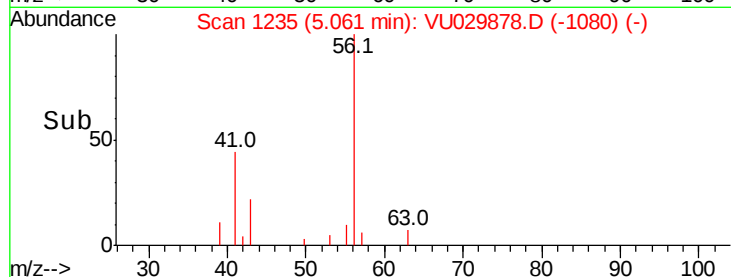
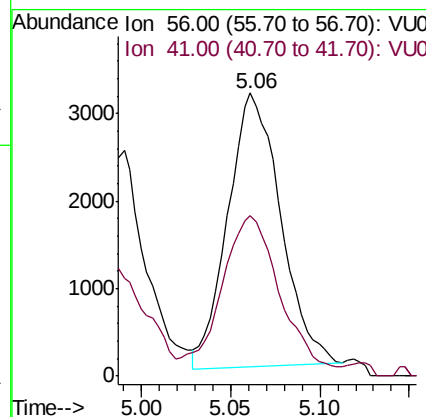
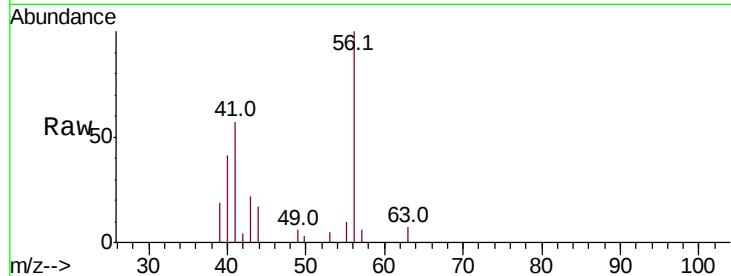
#42
1-Chlorobutane
Concen: 0.232 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion: 56 Resp: 6480
Ion Ratio Lower Upper
56 100
41 65.8 25.0 75.0

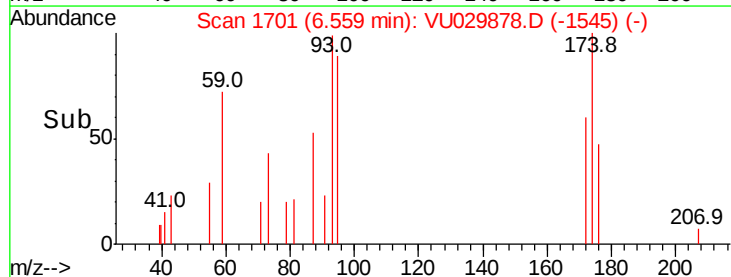
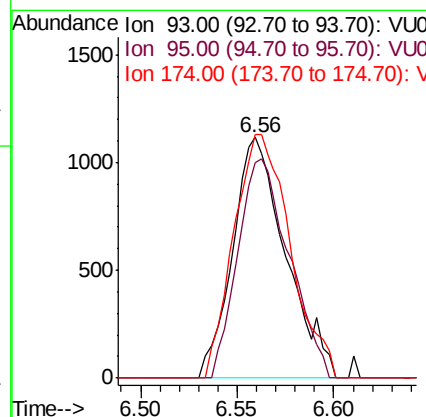
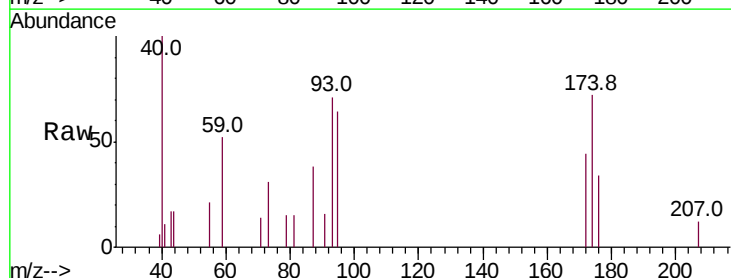
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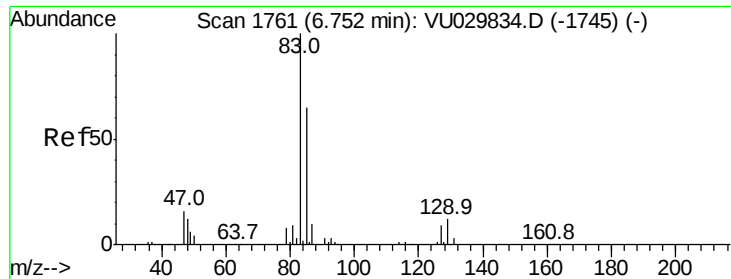
MMDadoda
3/11/2019 6:55:41 PM



#43
Dibromomethane
Concen: 0.252 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion: 93 Resp: 2125
Ion Ratio Lower Upper
93 100
95 88.4 67.0 100.6
174 107.8 91.4 137.2





#44

Bromodichloromethane

Concen: 0.232 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

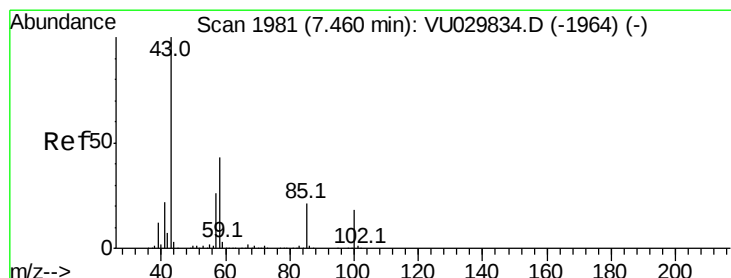
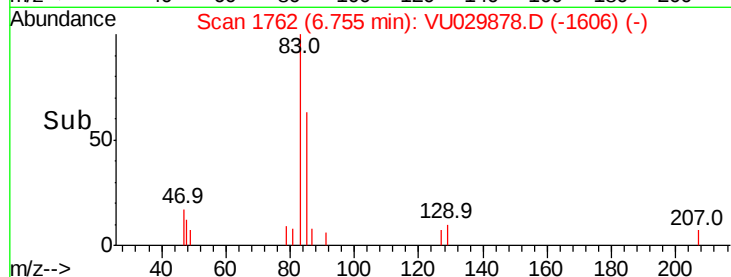
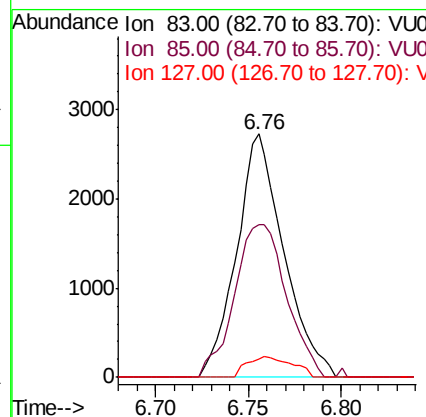
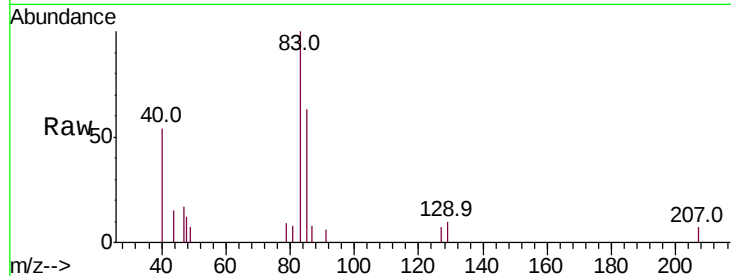
ClientSampleId :

MDL07

Tot Ion:	83	Resp:	4822
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.7	77.5
127	7.5	7.4	11.2

Manual Integrations
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#45

4-Methyl-2-Pentanone

Concen: 1.284 ug/l

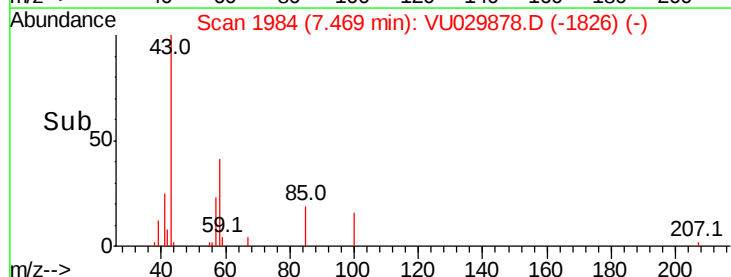
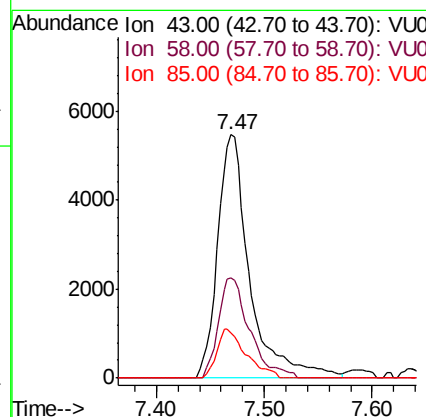
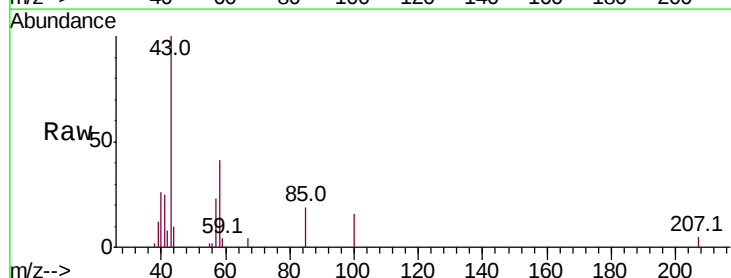
RT: 7.47 min Scan# 1984

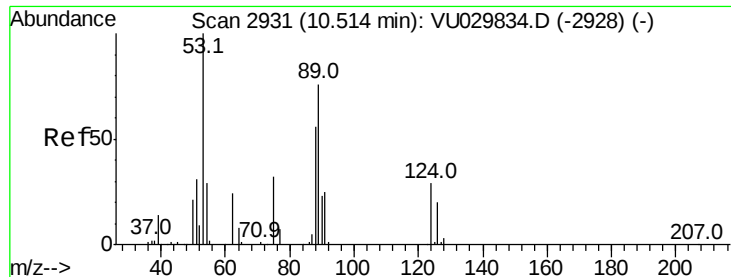
Delta R.T. 0.01 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Tgt Ion:	43	Resp:	11307
Ion	Ratio	Lower	Upper
43	100		
58	40.0	21.6	65.0
85	18.4	16.5	24.7





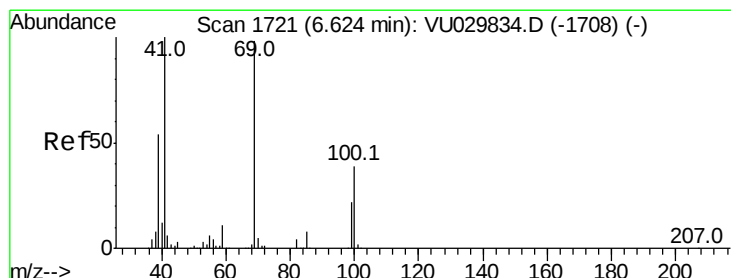
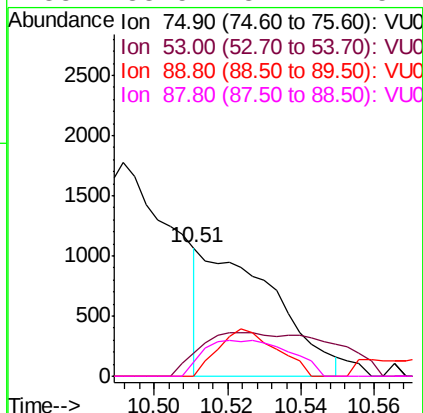
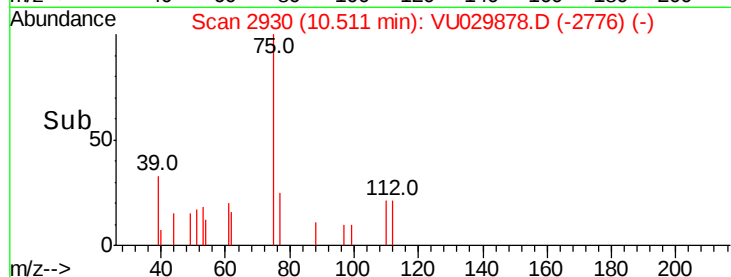
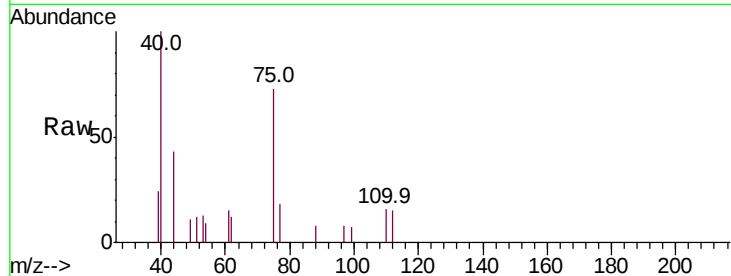
#46
t-1,4-Dichloro-2-butene
Concen: 0.398 ug/l m
RT: 10.51 min Scan# 2930
Delta R.T. -0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
75	100		
53	63.1	59.2	88.8
89	29.2	44.9	67.3#
88	33.5	32.2	48.2

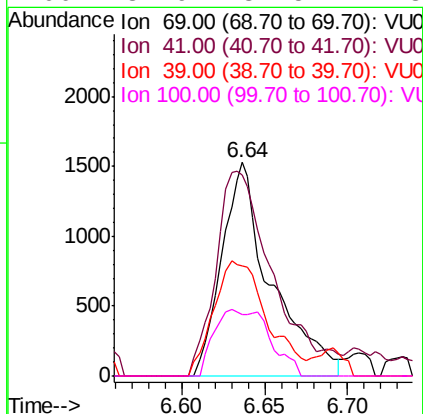
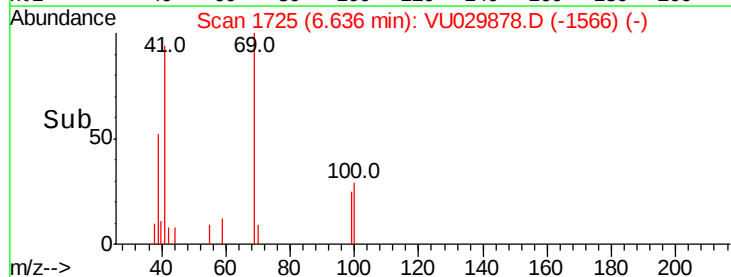
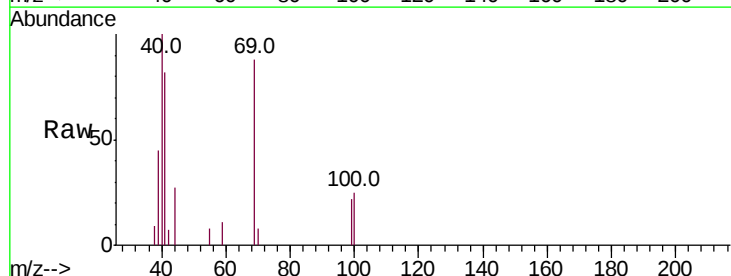
Manual Integrations
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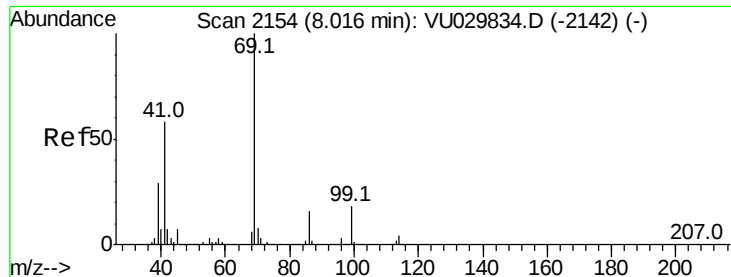
MMDadoda
3/11/2019 6:55:41 PM



#47
Methyl methacrylate
Concen: 0.436 ug/l
RT: 6.64 min Scan# 1725
Delta R.T. 0.01 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	108.3	0.0	201.0
39	58.7	43.3	64.9
100	34.9	31.5	47.3





#48

Ethyl methacrylate

Concen: 0.225 ug/l

RT: 8.03 min Scan# 2157

Delta R.T. 0.01 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 69 Resp: 3122

Ion Ratio Lower Upper

69 100

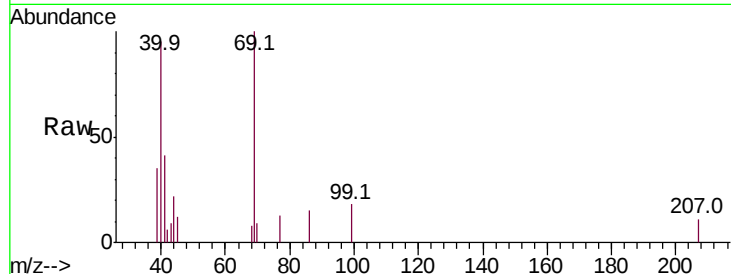
41 54.2 29.0 87.1

Manual Integrations

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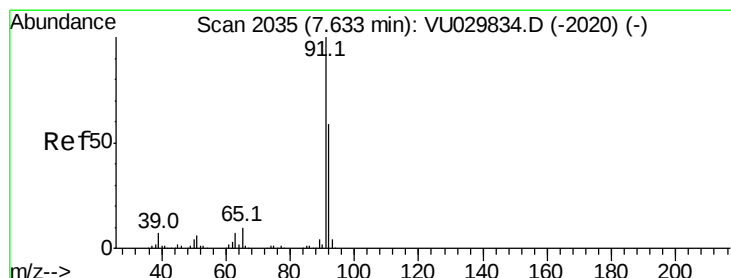
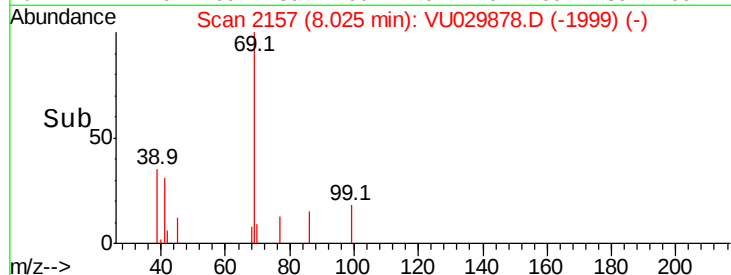
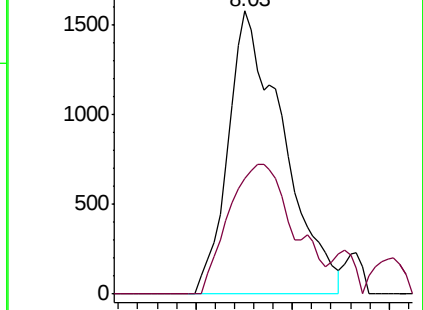
MMDadoda

3/11/2019 6:55:41 PM



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0



#49

Toluene

Concen: 0.251 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029878.D

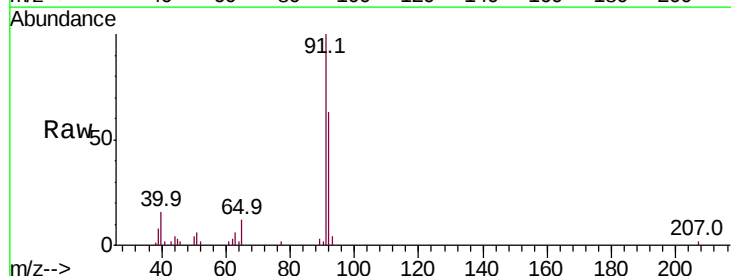
Acq: 08 Mar 2019 10:37

Tgt Ion: 92 Resp: 9913

Ion Ratio Lower Upper

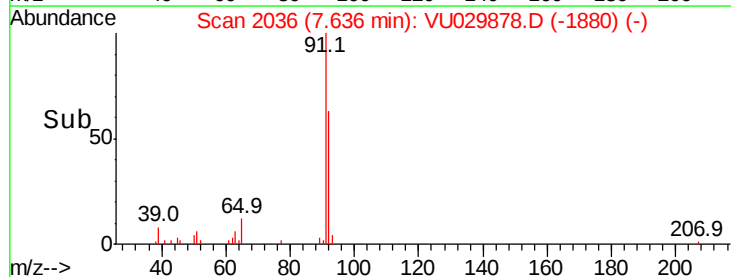
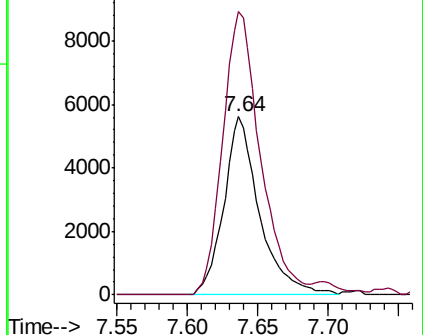
92 100

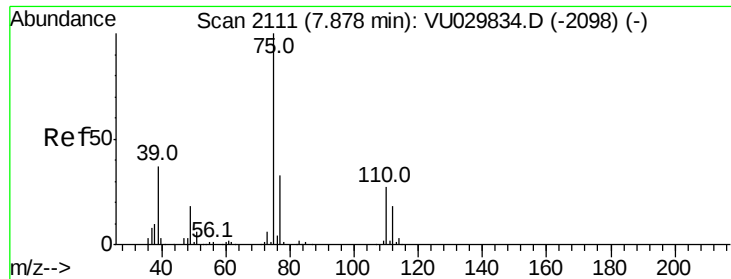
91 167.1 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





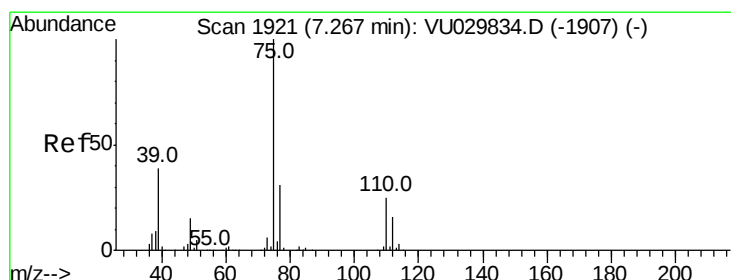
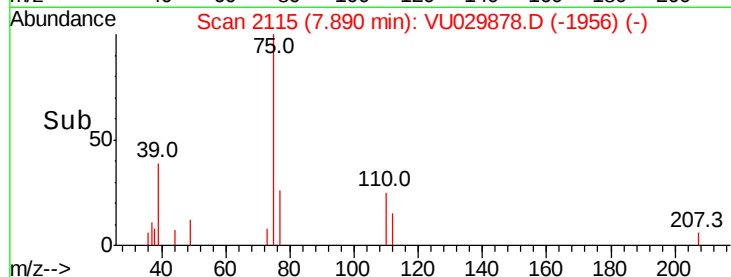
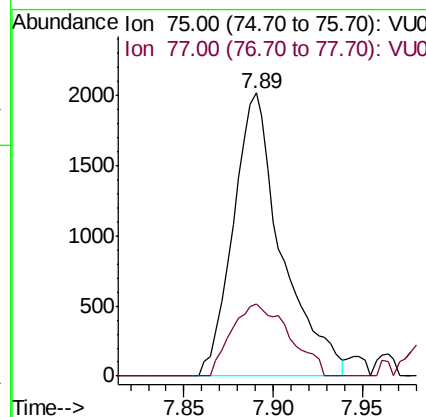
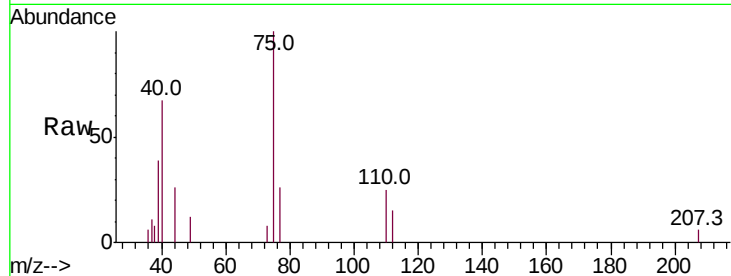
#50
 t-1,3-Dichloropropene
 Concen: 0.210 ug/l
 RT: 7.89 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion: 75 Resp: 3810
 Ion Ratio Lower Upper
 75 100
 77 25.7 26.4 39.6#

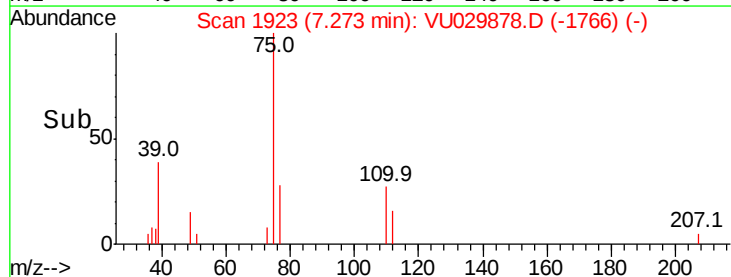
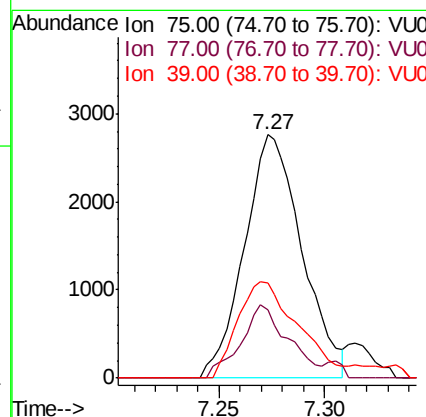
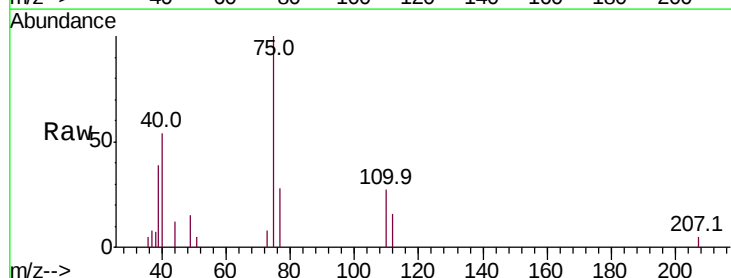
Manual Integrations
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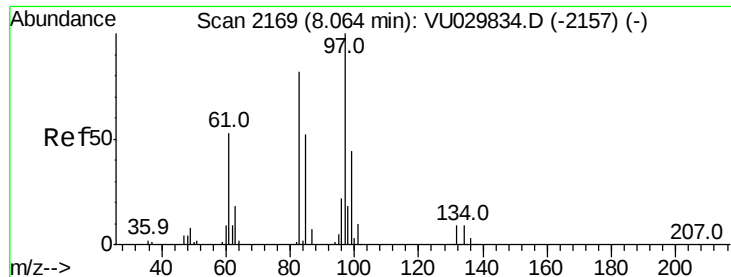
MMDadoda
 3/11/2019 6:55:41 PM



#51
 cis-1,3-Dichloropropene
 Concen: 0.232 ug/l
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion: 75 Resp: 5230
 Ion Ratio Lower Upper
 75 100
 77 28.2 24.9 37.3
 39 39.1 30.8 46.2





#52

1,1,2-Trichloroethane

Concen: 0.243 ug/l

RT: 8.07 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

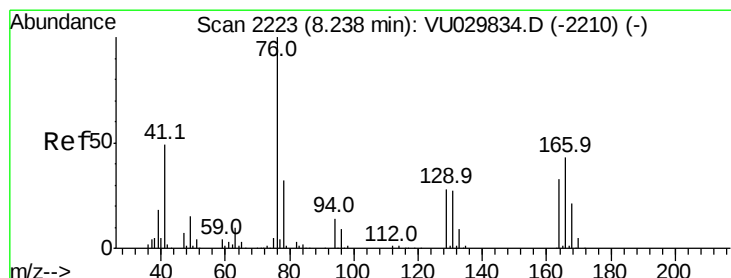
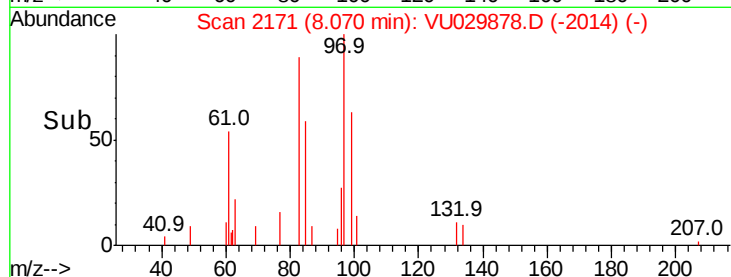
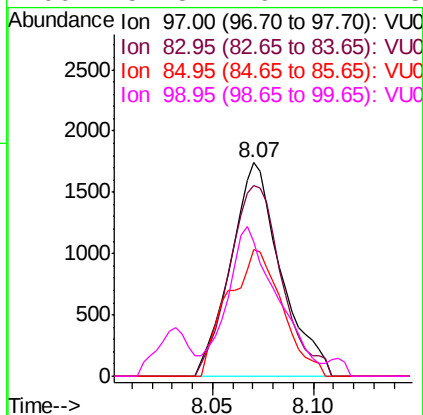
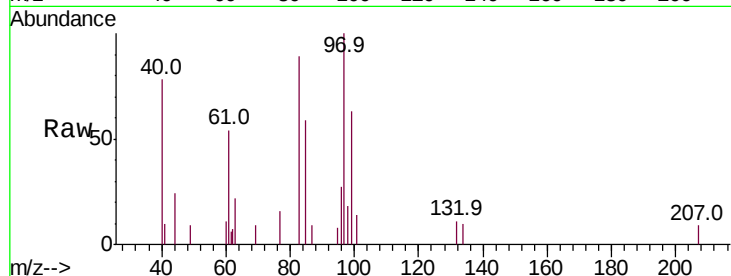
ClientSampled :

MDL07

Tot Ion:	97	Resp:	3034
Ion	Ratio	Lower	Upper
97	100		
83	89.0	65.9	98.9
85	59.1	43.0	64.6
99	54.8	49.7	74.5

Manual Integrations
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#53

1,3-Dichloropropane

Concen: 0.243 ug/l

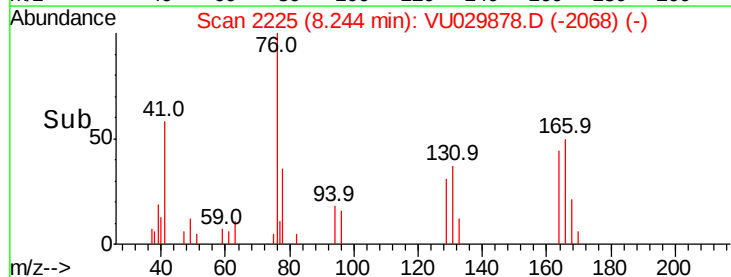
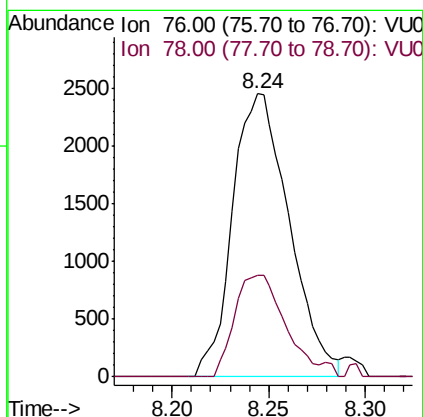
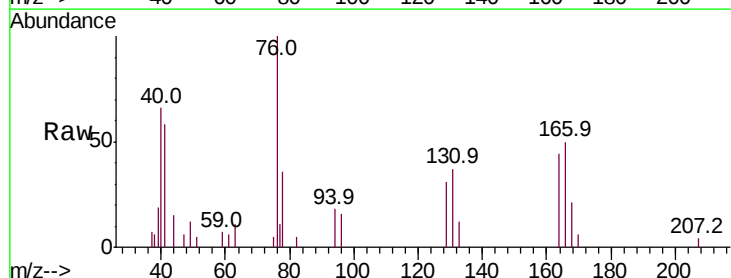
RT: 8.24 min Scan# 2225

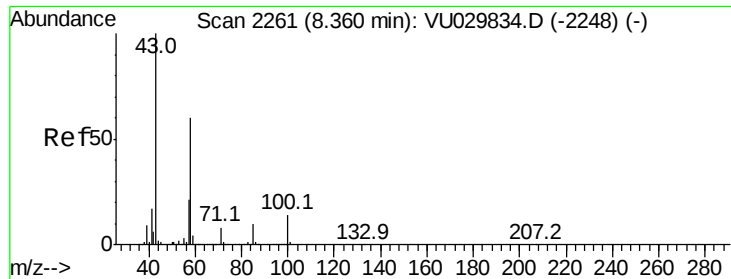
Delta R.T. 0.01 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Tgt Ion:	76	Resp:	4979
Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.7	38.5





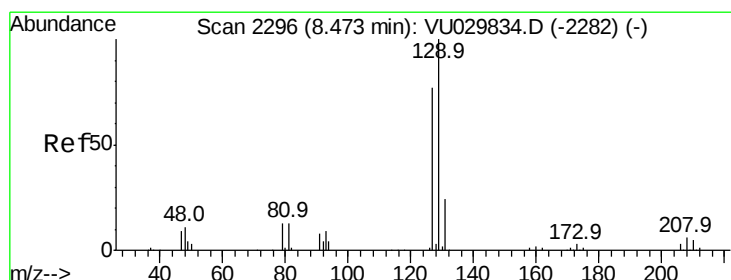
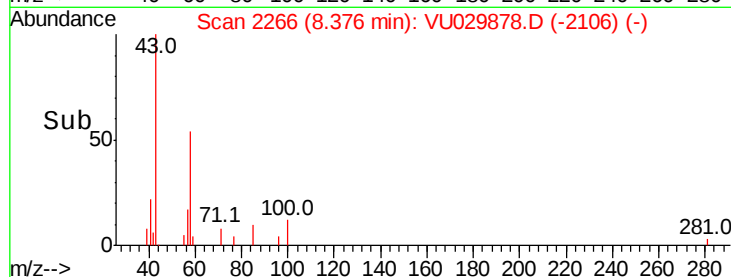
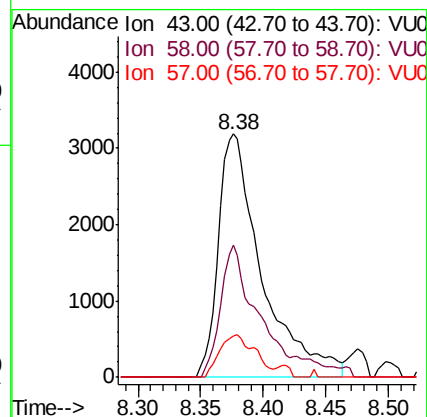
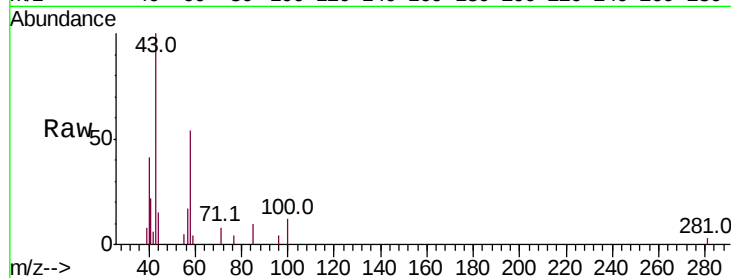
#54
2-Hexanone
Concen: 1.253 ug/l
RT: 8.38 min Scan# 2266
Delta R.T. 0.02 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	39.6	79.6
57	14.2	0.5	40.5

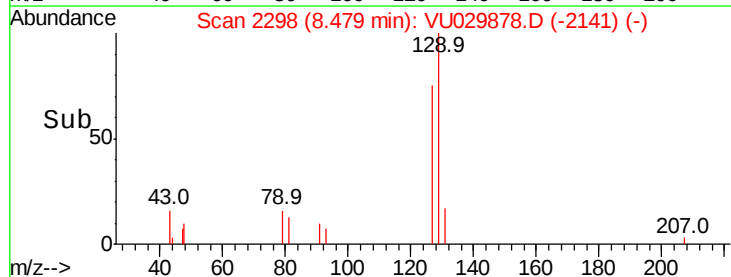
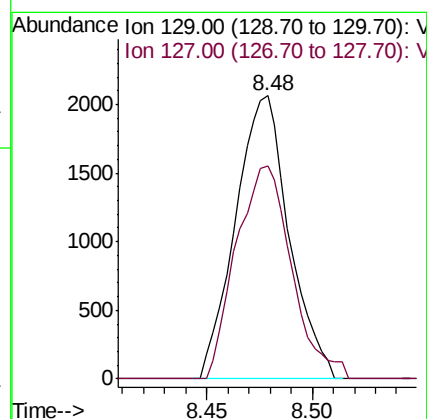
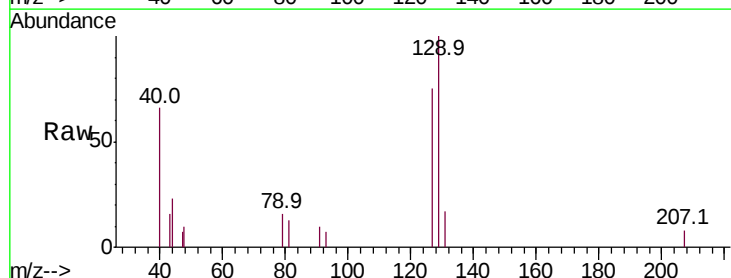
Manual Integrations
APPROVED

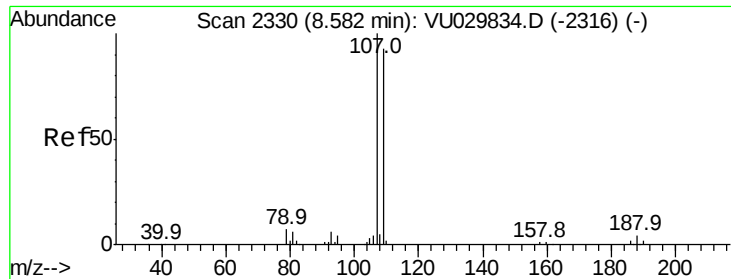
MMDadoda
3/11/2019 6:55:41 PM



#55
Dibromochloromethane
Concen: 0.246 ug/l
RT: 8.48 min Scan# 2298
Delta R.T. 0.01 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	61.6	92.4





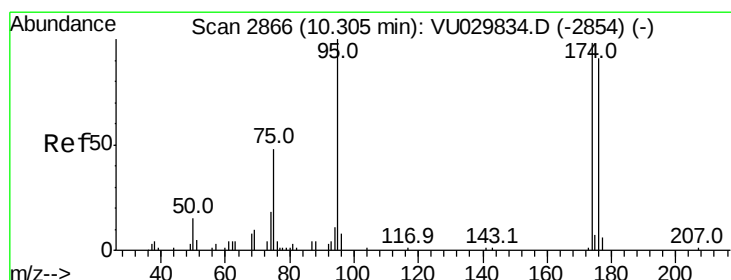
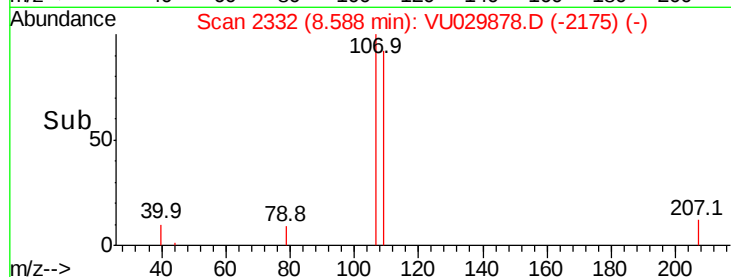
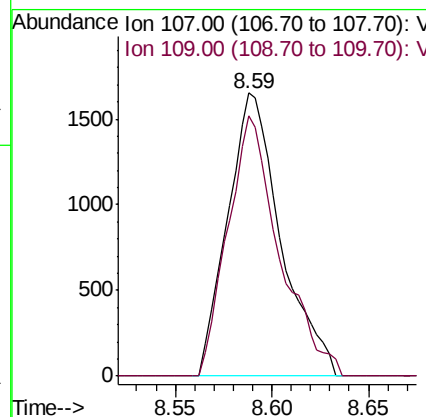
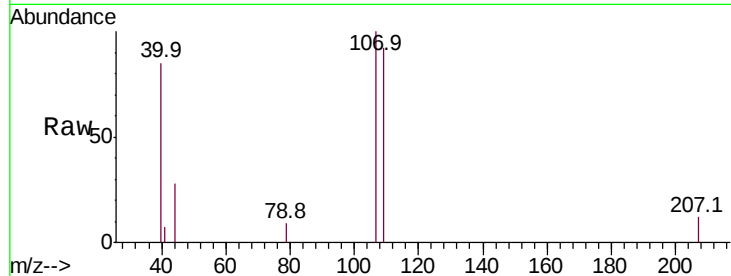
#56
 1,2-Dibromoethane
 Concen: 0.266 ug/l
 RT: 8.59 min Scan# 2332
 Delta R.T. 0.01 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Resp	Lower	Upper
107	100	3156		
109	89.1	0.0	188.4	

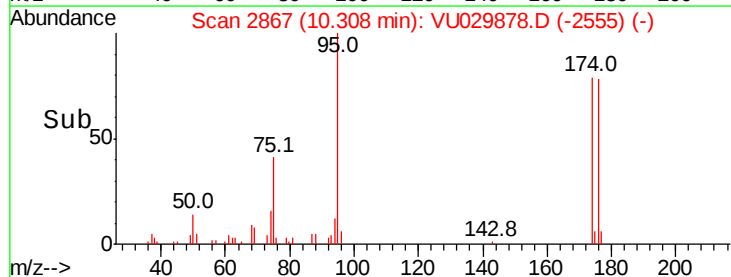
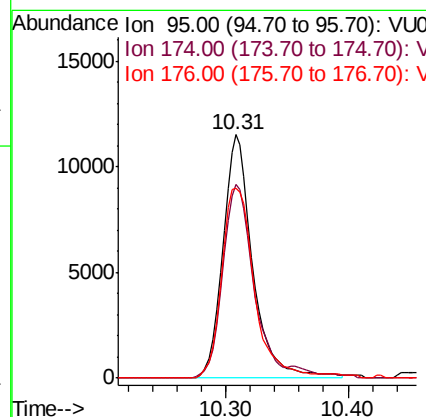
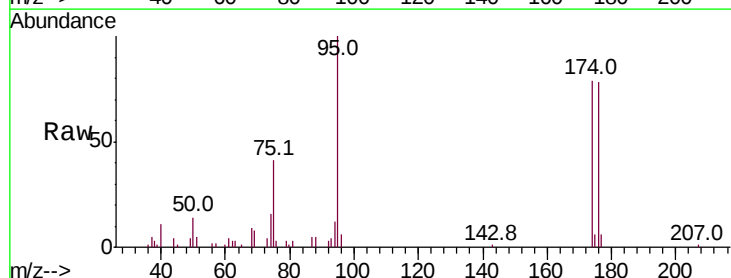
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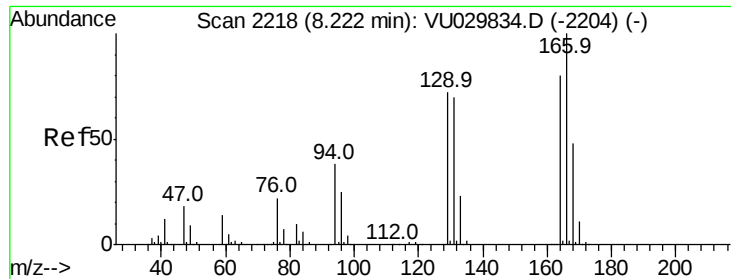
MMDadoda
 3/11/2019 6:55:41 PM



#57
 4-Bromofluorobenzene
 Concen: 0.266 ug/l
 RT: 10.31 min Scan# 2867
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	19747		
174	81.6	76.5	114.7	
176	85.8	74.2	111.2	





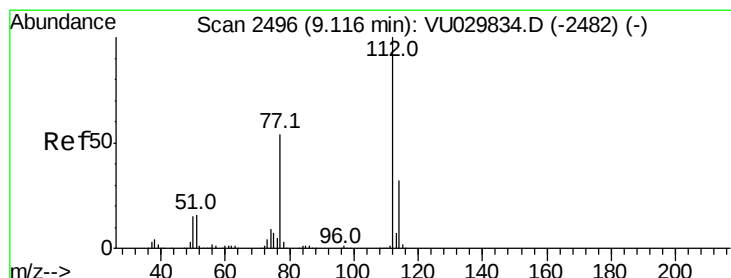
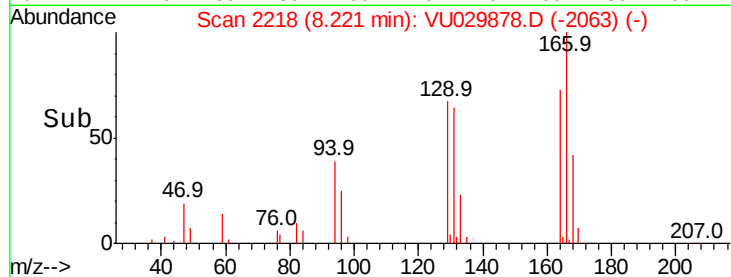
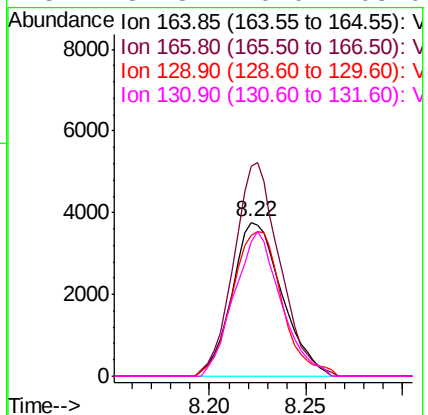
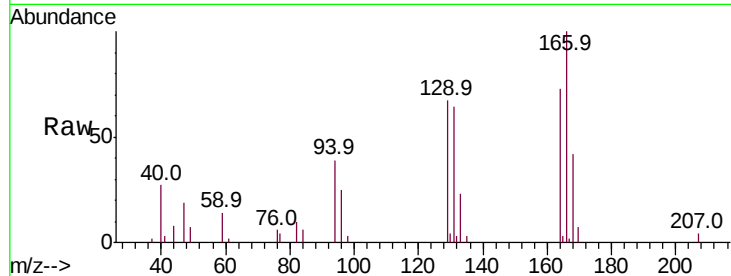
#58
Tetrachloroethene
Concen: 0.350 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
164	100		
166	136.7	100.5	150.7
129	91.9	72.3	108.5
131	87.3	70.0	105.0

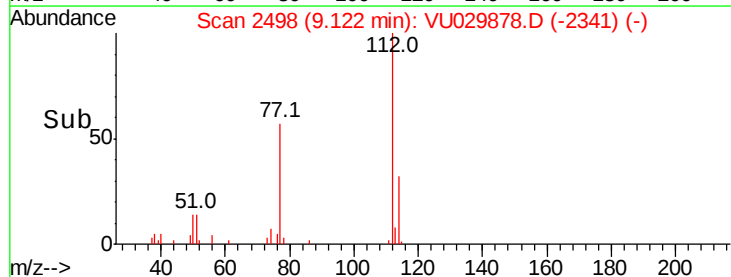
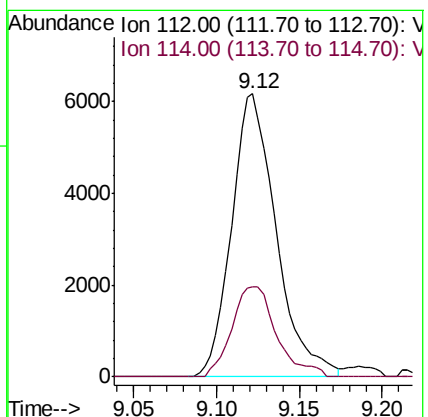
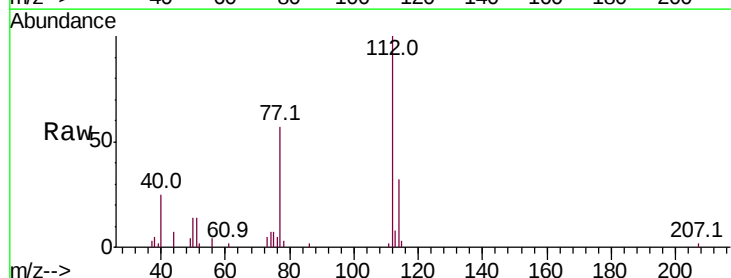
Manual Integrations
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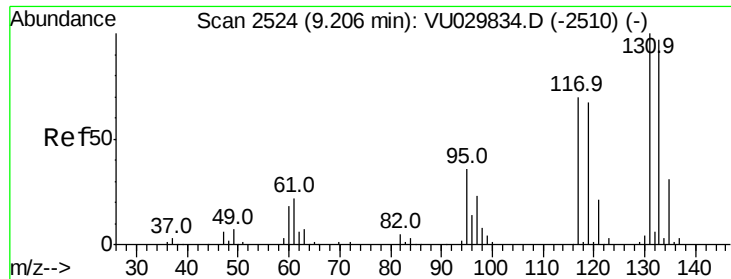
MMDadoda
3/11/2019 6:55:41 PM



#59
Chlorobenzene
Concen: 0.254 ug/l
RT: 9.12 min Scan# 2498
Delta R.T. 0.01 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.2





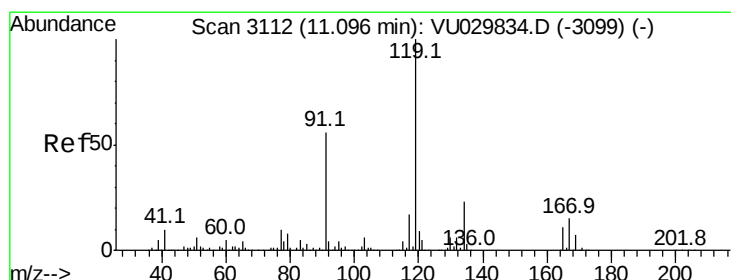
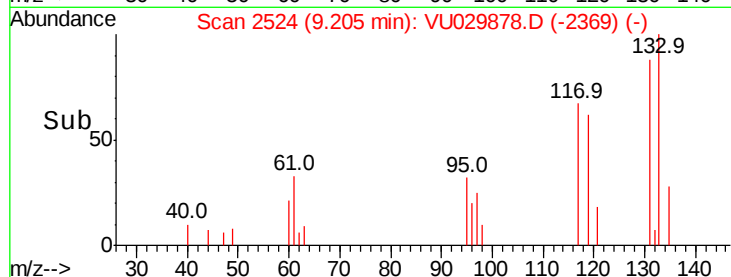
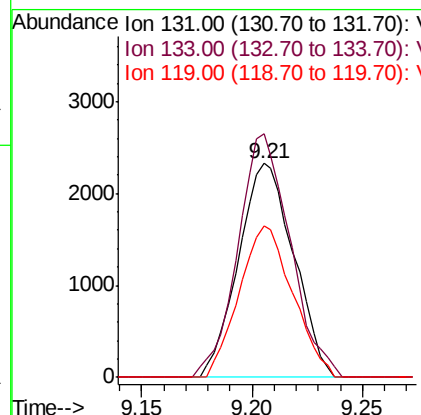
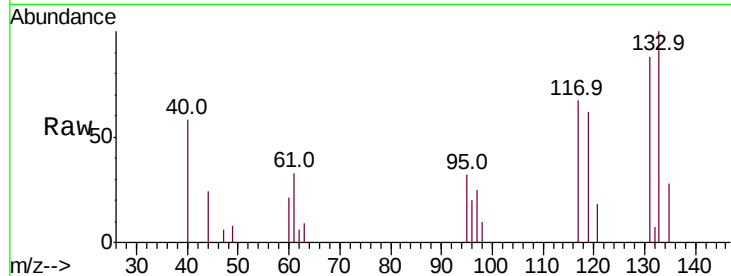
#60
 1,1,1,2-Tetrachloroethane
 Concen: 0.247 ug/l
 RT: 9.21 min Scan# 2524
 Delta R.T. -0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion:	131	Resp:	4028
Ion Ratio	Lower	Upper	
131	100		
133	108.1	76.4	114.6
119	68.6	54.2	81.4

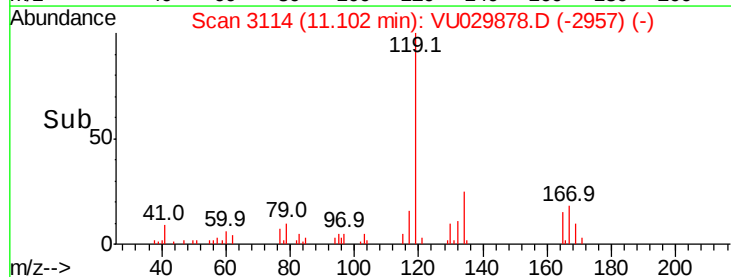
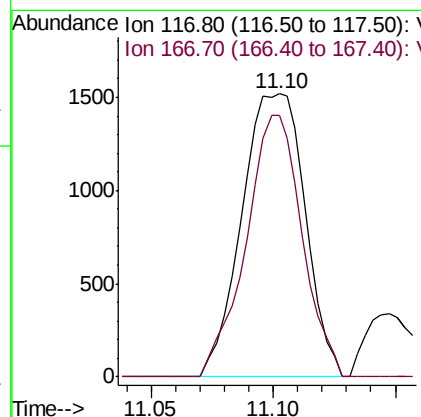
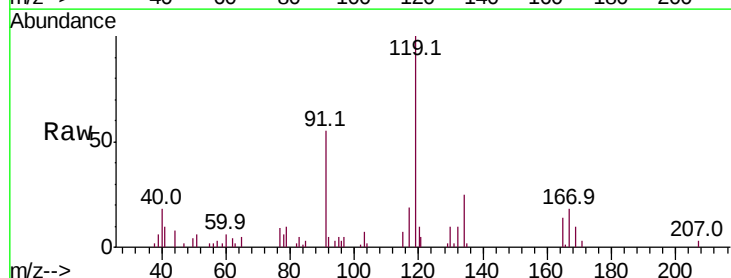
Manual Integrations
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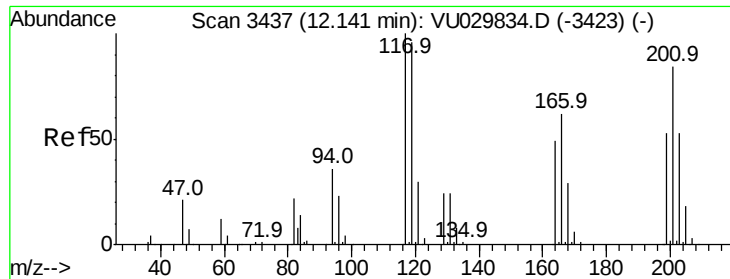
MMDadoda
 3/11/2019 6:55:41 PM



#61
 Pentachloroethane
 Concen: 0.241 ug/l
 RT: 11.10 min Scan# 3114
 Delta R.T. 0.01 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion:	117	Resp:	2731
Ion Ratio	Lower	Upper	
117	100		
167	81.9	71.4	107.2





#62

Hexachloroethane

Concen: 0.224 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion:117 Resp: 2677

Ion Ratio Lower Upper

117 100

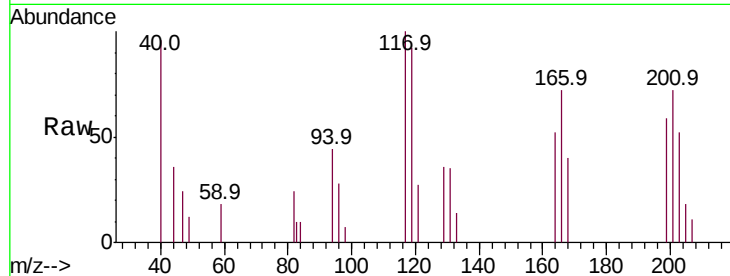
201 75.6 68.2 102.2

Manual Integrations

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MMDadoda

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

12.14

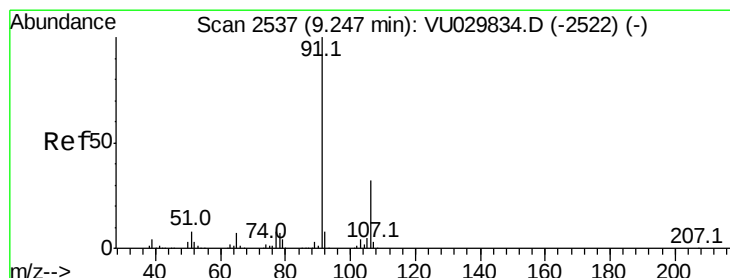
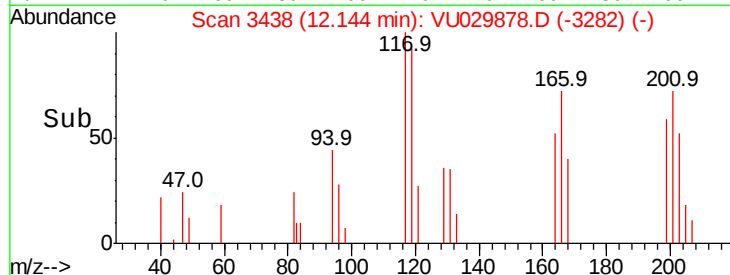
1500

1000

500

0

Time-->



#63

Ethyl Benzene

Concen: 0.237 ug/l

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU029878.D

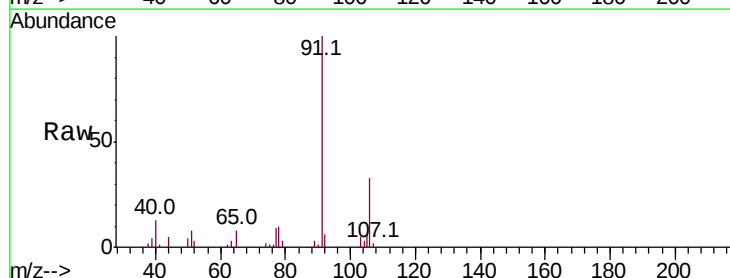
Acq: 08 Mar 2019 10:37

Tgt Ion: 91 Resp: 17641

Ion Ratio Lower Upper

91 100

106 33.0 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

9.25

12000

10000

8000

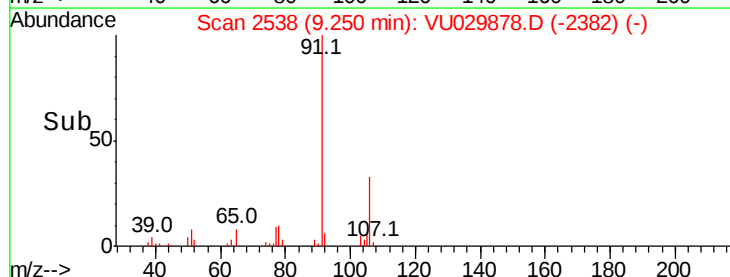
6000

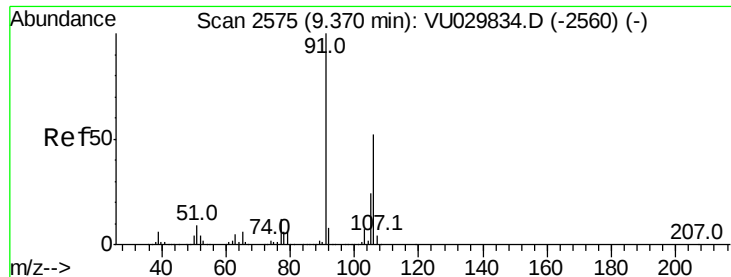
4000

2000

0

Time-->





#64

m/p-Xylenes

Concen: 0.462 ug/l

RT: 9.38 min Scan# 2577

Delta R.T. 0.01 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion:106 Resp: 13583

Ion Ratio Lower Upper

106 100

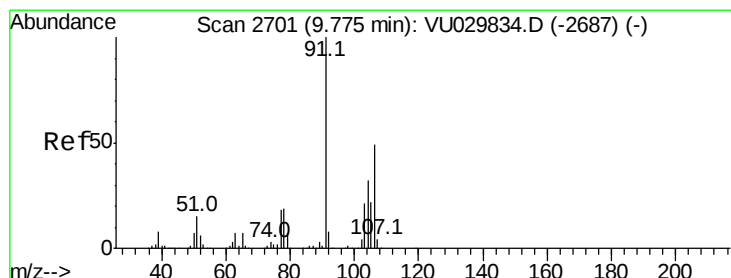
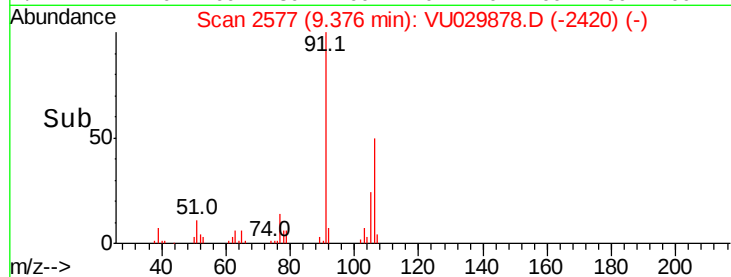
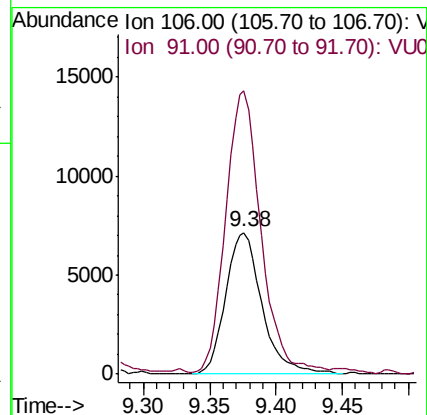
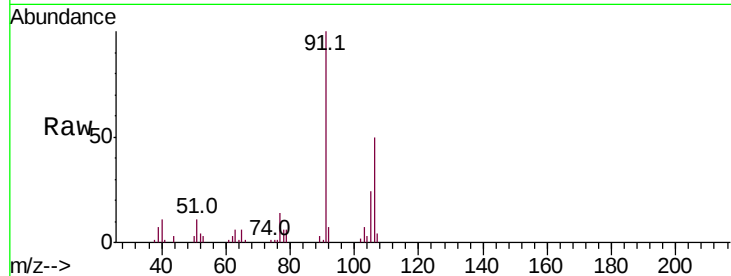
91 191.0 155.3 232.9

Manual Integrations

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MMDadoda

3/11/2019 6:55:41 PM



#65

o-Xylene

Concen: 0.231 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029878.D

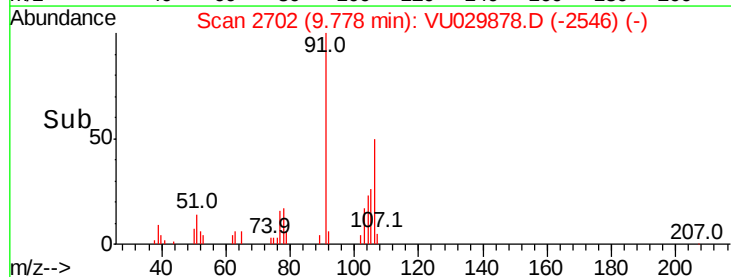
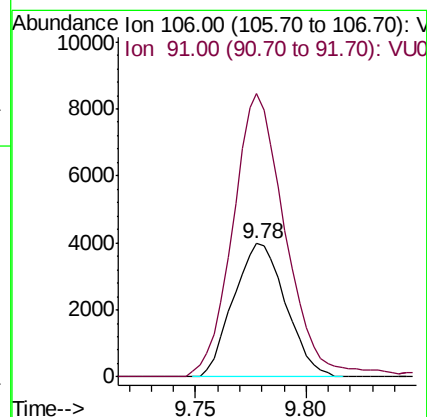
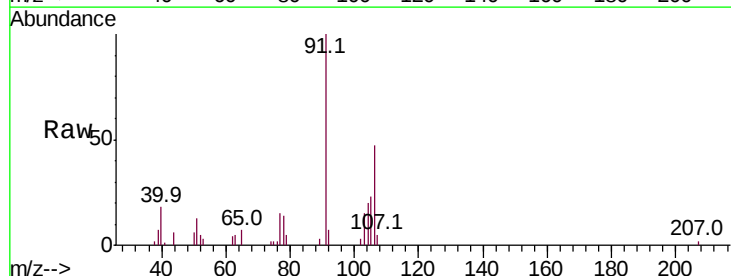
Acq: 08 Mar 2019 10:37

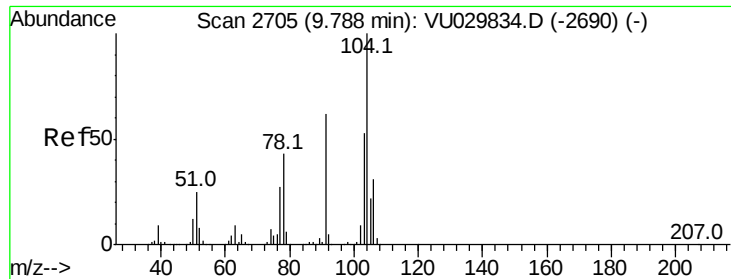
Tgt Ion:106 Resp: 6528

Ion Ratio Lower Upper

106 100

91 214.4 102.8 308.3





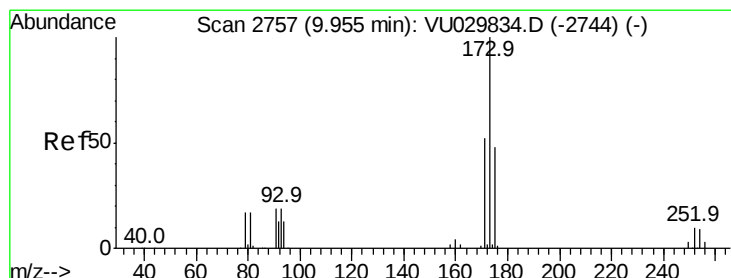
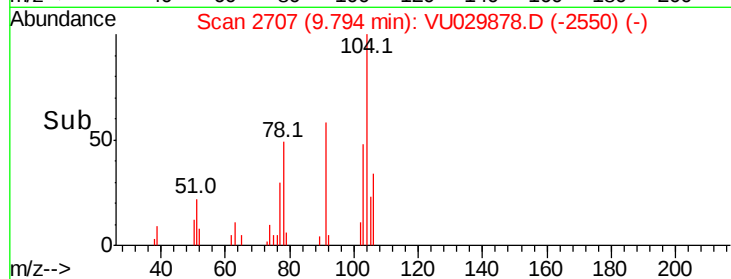
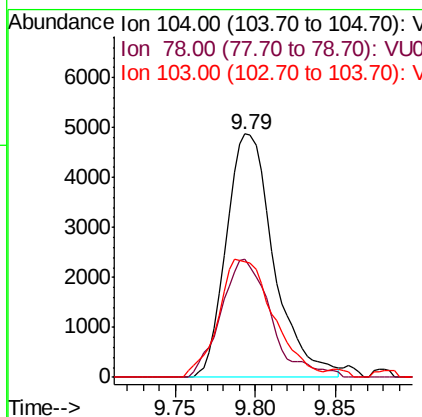
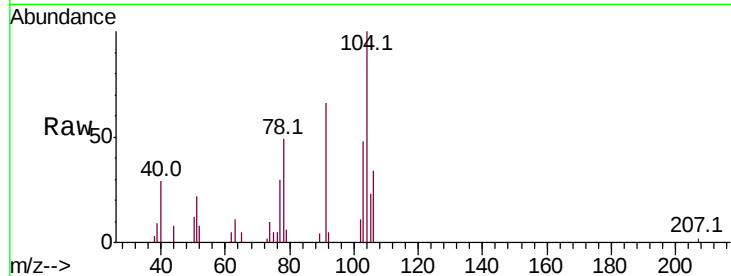
#66
Stvrene
Concen: 0.211 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.01 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.5	37.2	55.8
103	55.8	44.7	67.1

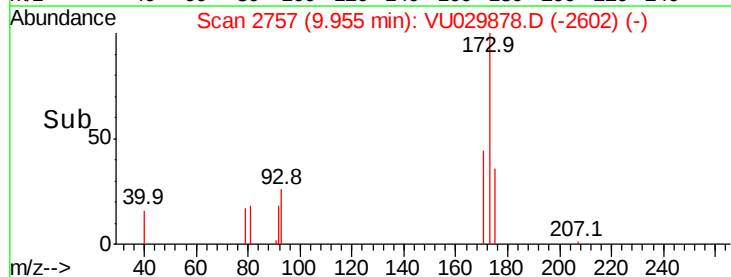
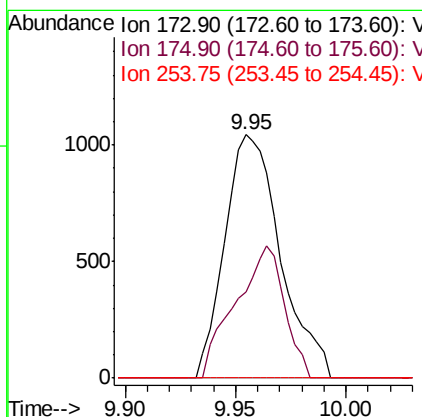
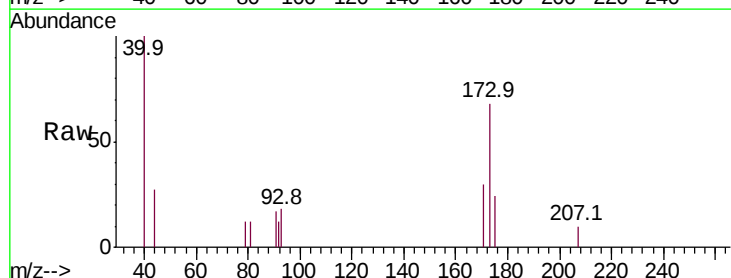
Manual Integrations
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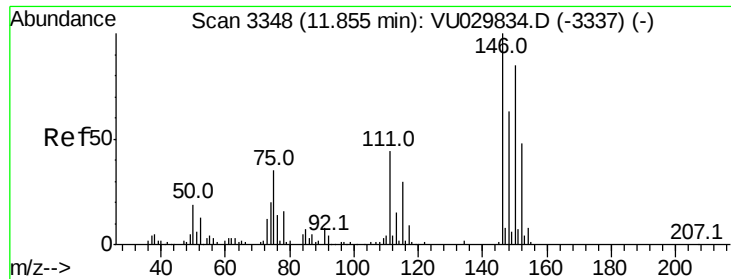
MMDadoda
3/11/2019 6:55:41 PM



#67
Bromoform
Concen: 0.210 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	38.6	57.8
254	0.0	7.4	11.2#





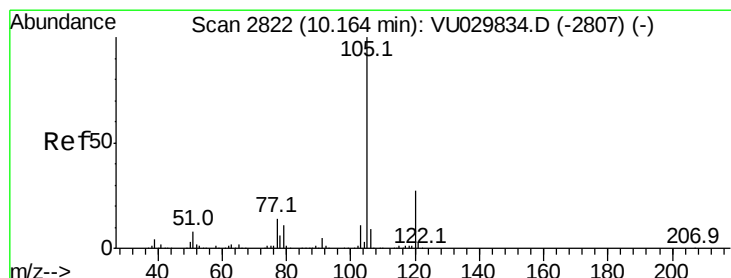
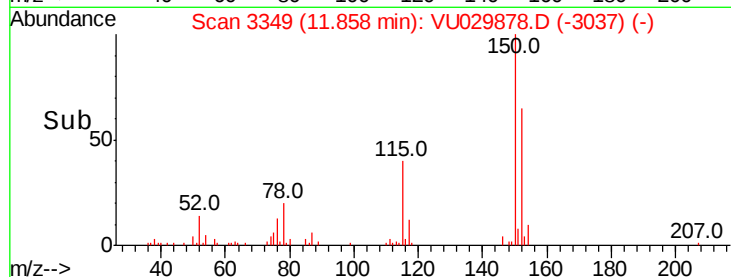
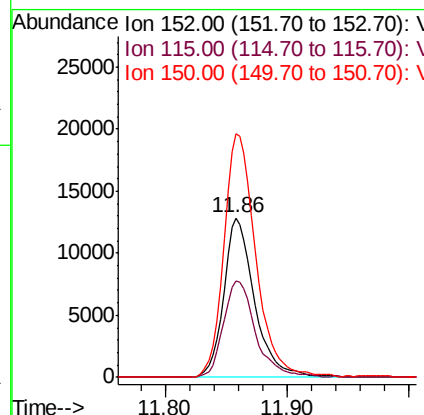
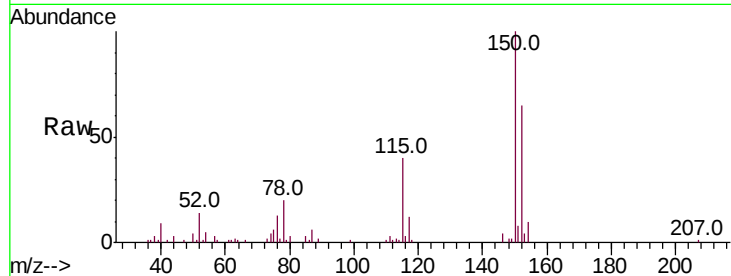
#68
 1,2-Dichlorobenzene-d4
 Concen: 0.210 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
152	100		
115	63.2	0.0	124.0
150	157.7	0.0	631.2

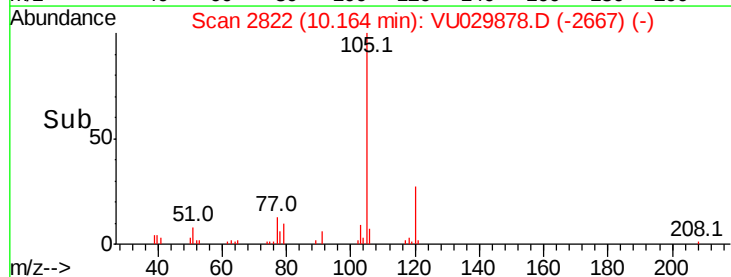
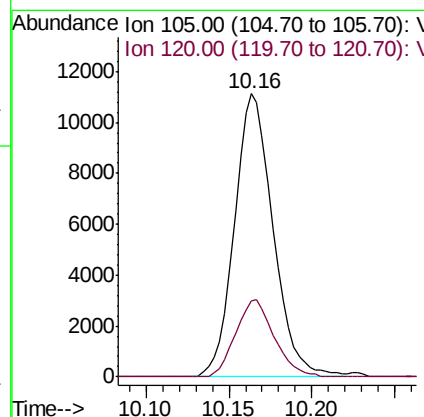
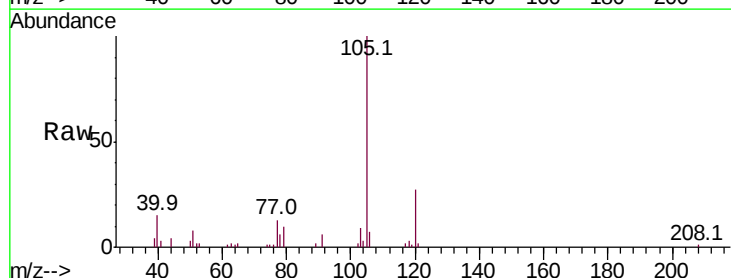
Manual Integrations
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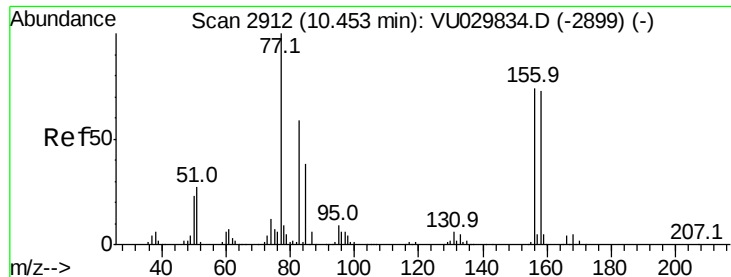
MMDadoda
 3/11/2019 6:55:41 PM



#69
 Isopropylbenzene
 Concen: 0.240 ug/l
 RT: 10.16 min Scan# 2822
 Delta R.T. -0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.5





#70

1,1,2,2-Tetrachloroethane

Concen: 0.265 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 83 Resp: 4033

Ion Ratio Lower Upper

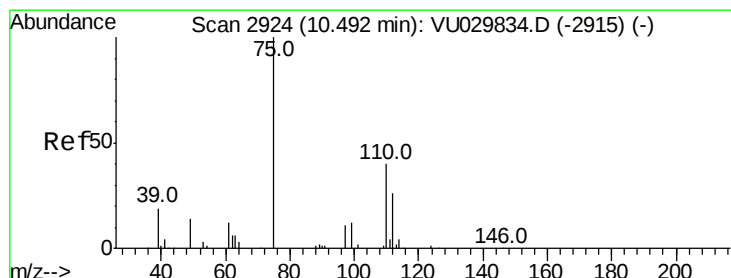
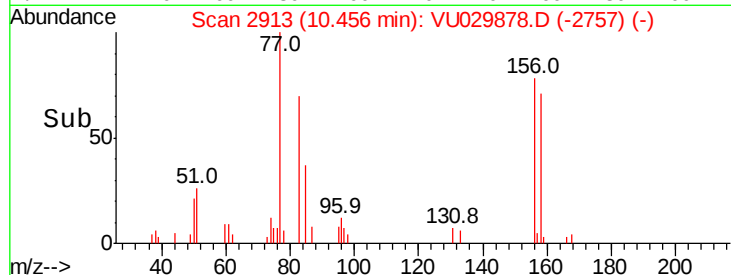
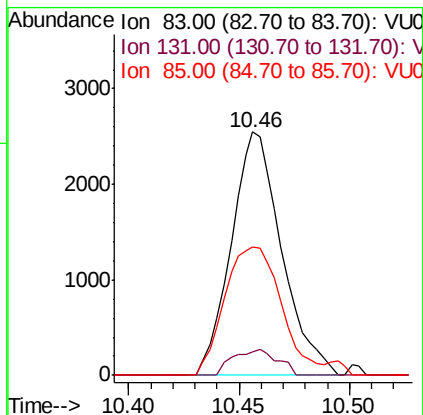
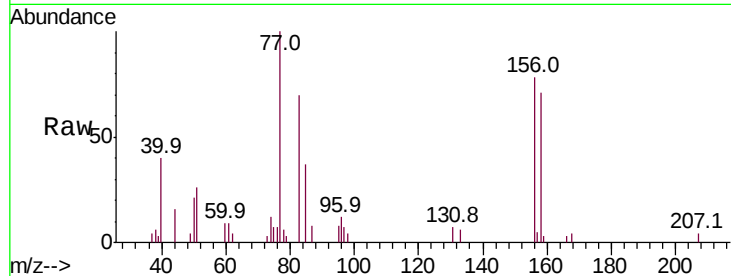
83 100

131 9.4 8.3 12.5

85 59.5 52.5 78.7

Manual Integrations
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3/11/2019 6:55:41 PM



#71

1,2,3-Trichloropropane

Concen: 0.269 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Tgt Ion: 75 Resp: 3047

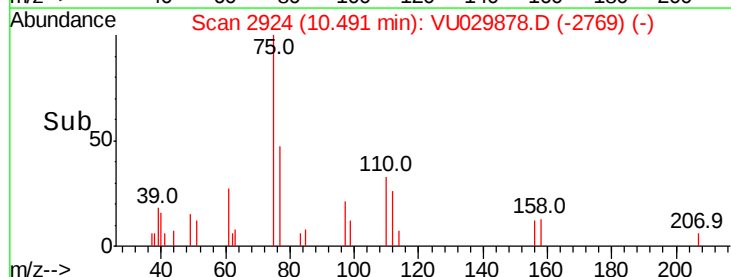
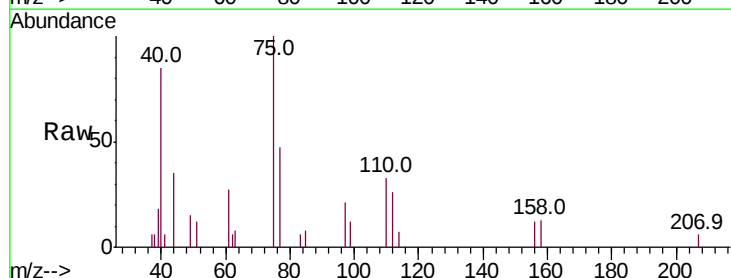
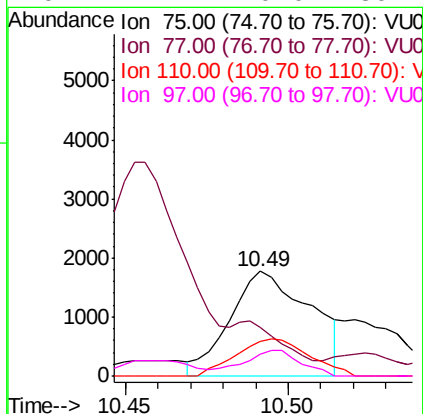
Ion Ratio Lower Upper

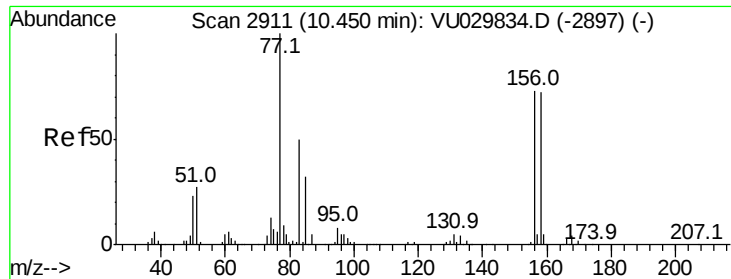
75 100

77 20.9 0.0 16.4#

110 32.0 0.0 74.8

97 17.7 0.0 39.4





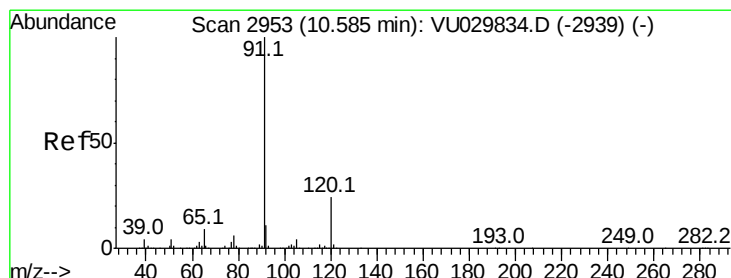
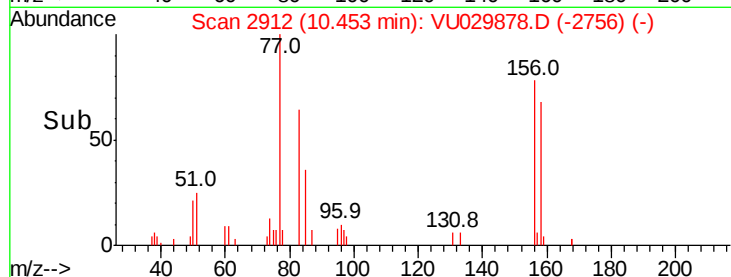
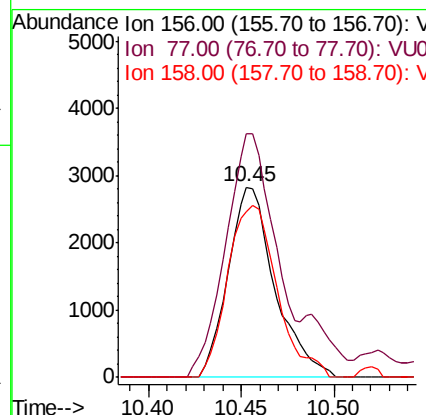
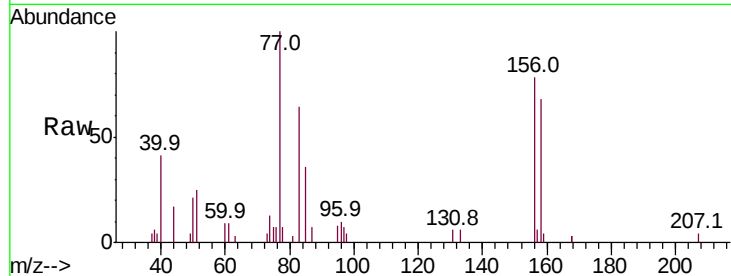
#72
Bromobenzene
Concen: 0.250 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tot Ion:156 Resp: 4955
Ion Ratio Lower Upper
156 100
77 136.1 0.0 282.2
158 95.3 0.0 196.2

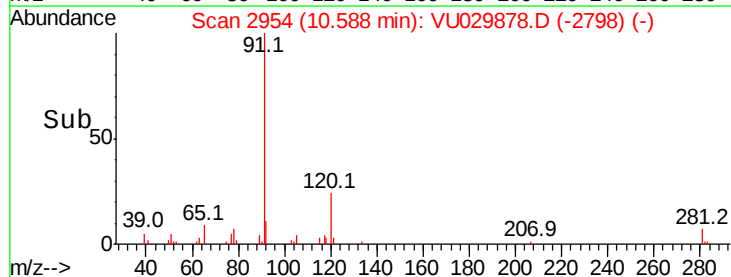
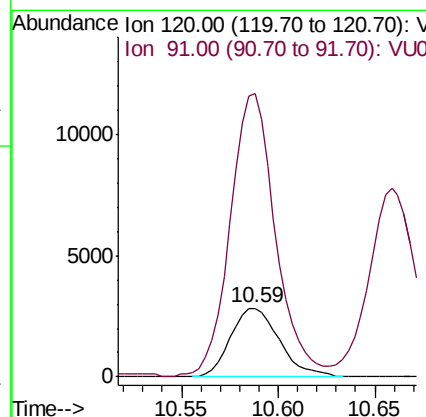
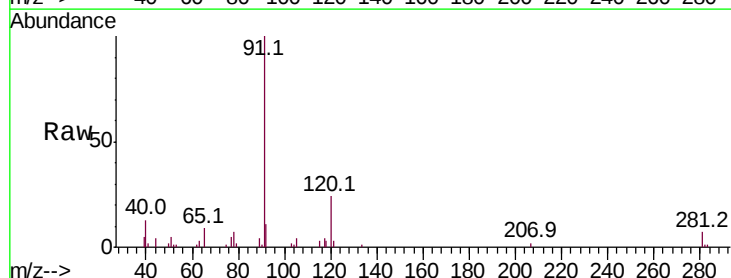
Manual Integrations
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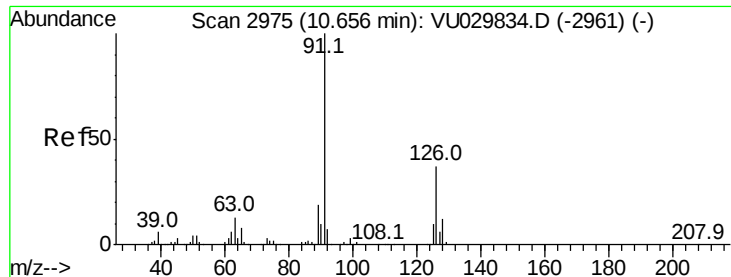
MMDadoda
3/11/2019 6:55:41 PM



#73
n-propylbenzene
Concen: 0.236 ug/l
RT: 10.59 min Scan# 2954
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion:120 Resp: 4981
Ion Ratio Lower Upper
120 100
91 383.0 333.4 500.2





#74

2-Chlorotoluene

Concen: 0.239 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion:126 Resp: 4459

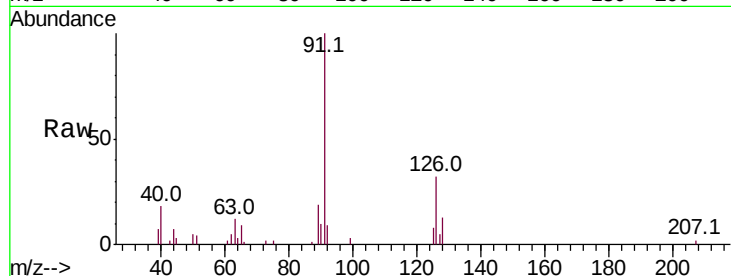
Ion Ratio Lower Upper

126 100

91 311.5 0.0 569.0

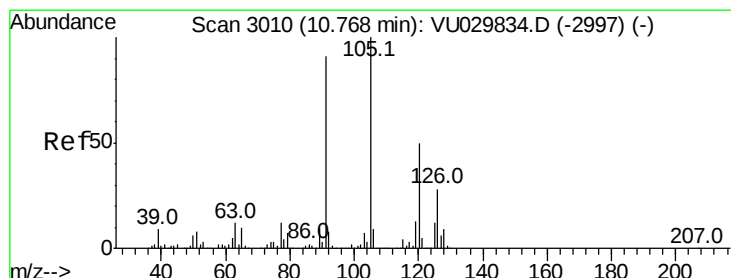
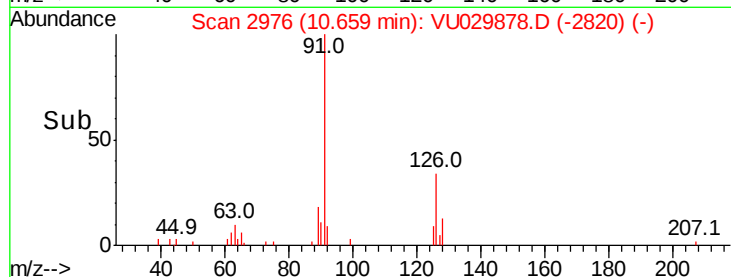
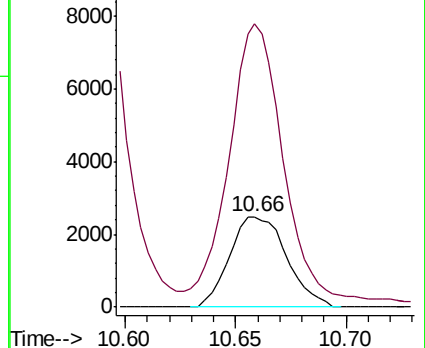
Manual Integrations
APPROVED

MMDadoda
3/11/2019 6:55:41 PM



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#75

1,3,5-Trimethylbenzene

Concen: 0.223 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029878.D

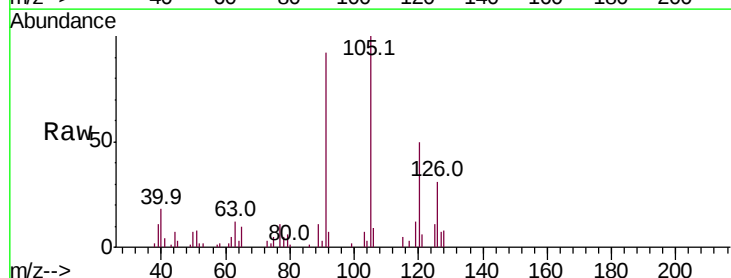
Acq: 08 Mar 2019 10:37

Tgt Ion:105 Resp: 14081

Ion Ratio Lower Upper

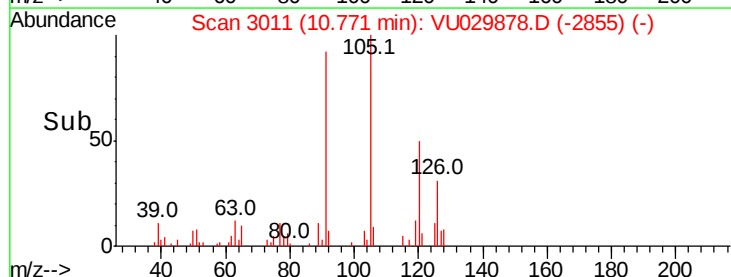
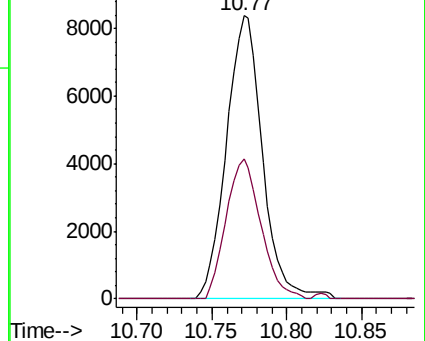
105 100

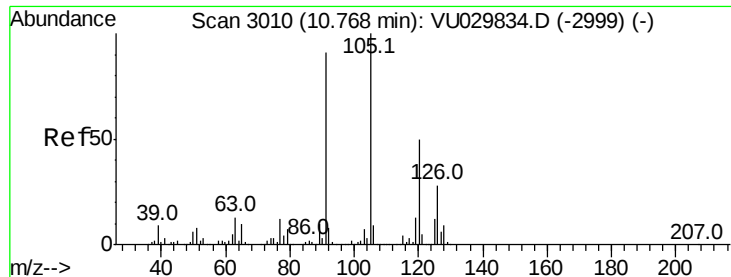
120 47.6 40.0 60.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

4-Chlorotoluene

Concen: 0.229 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion:126 Resp: 4363

Ion Ratio Lower Upper

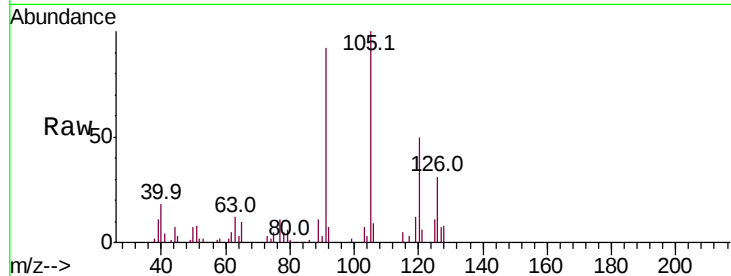
126 100

91 308.0 0.0 634.8

Manual Integrations
APPROVED

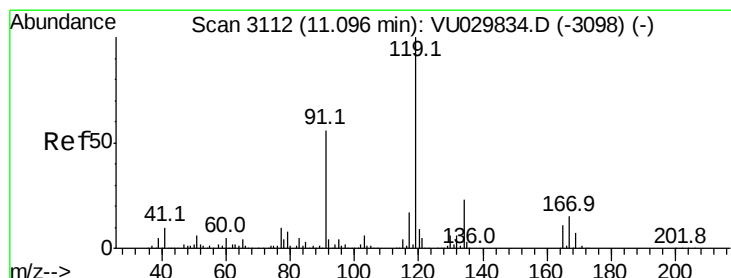
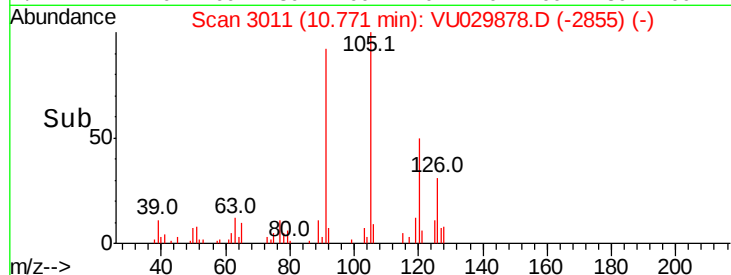
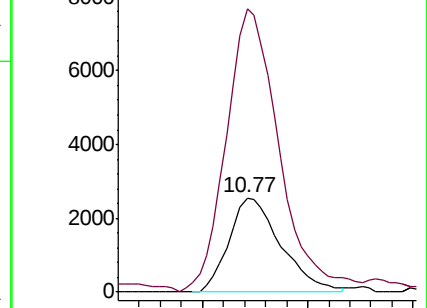
MMDadoda

3/11/2019 6:55:41 PM



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#77

tert-Butylbenzene

Concen: 0.231 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

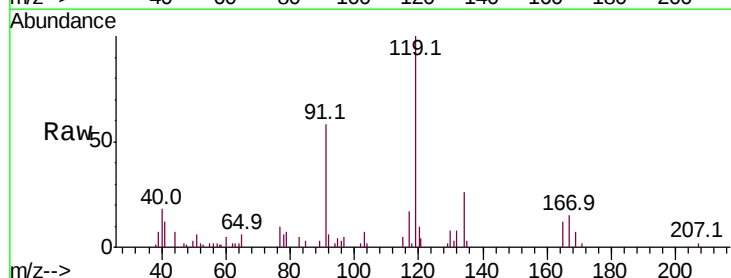
Tgt Ion:119 Resp: 14402

Ion Ratio Lower Upper

119 100

91 56.1 27.7 83.1

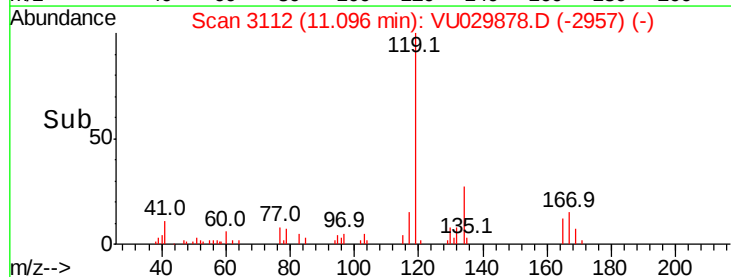
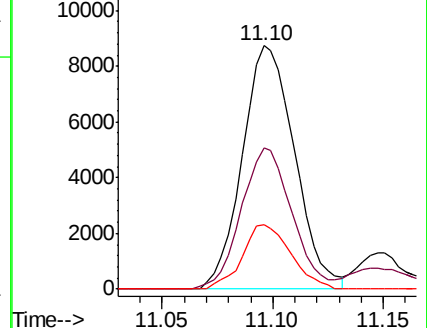
134 24.4 18.7 28.1

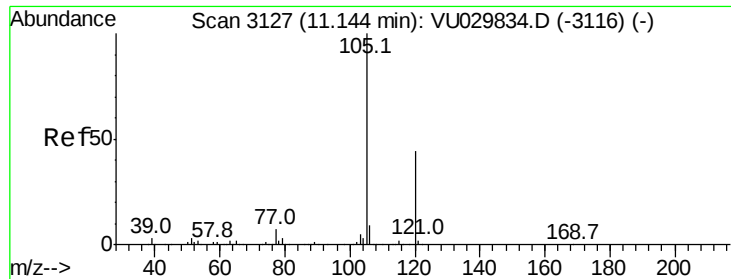


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V





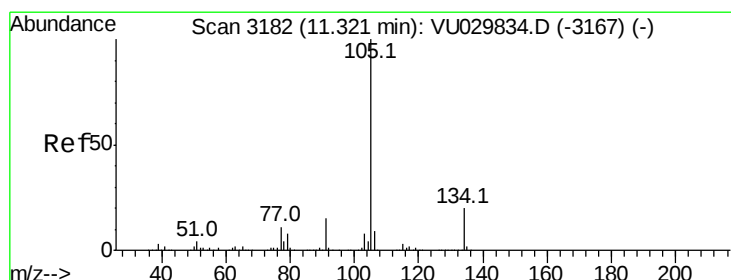
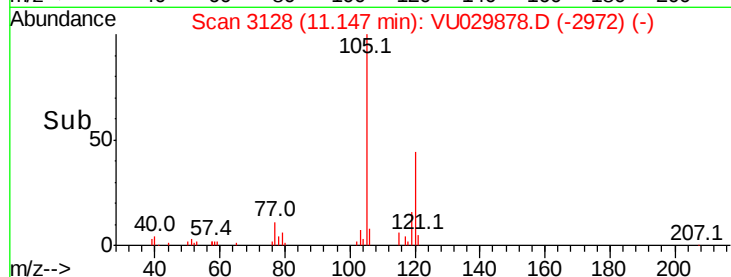
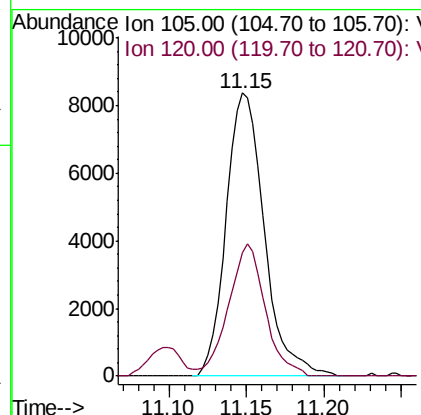
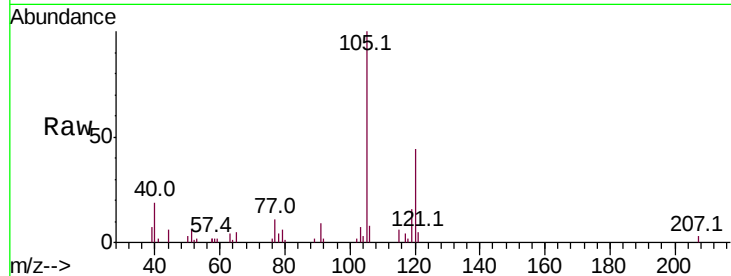
#78
 1,2,4-Trimethylbenzene
 Concen: 0.224 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.5	70.5

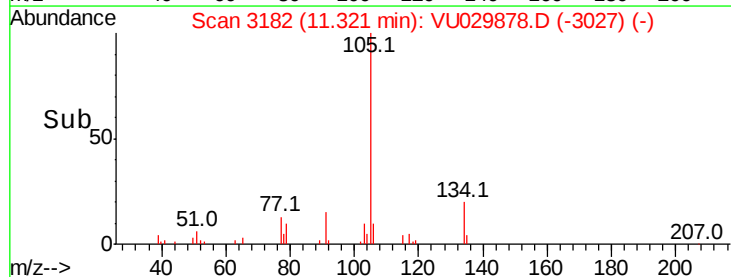
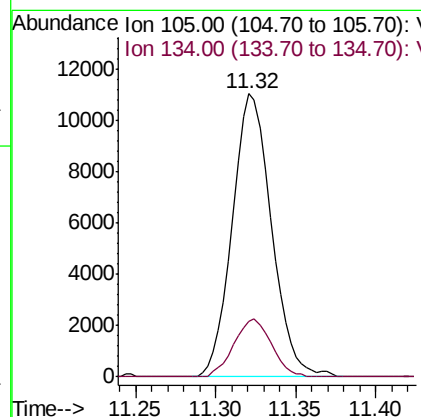
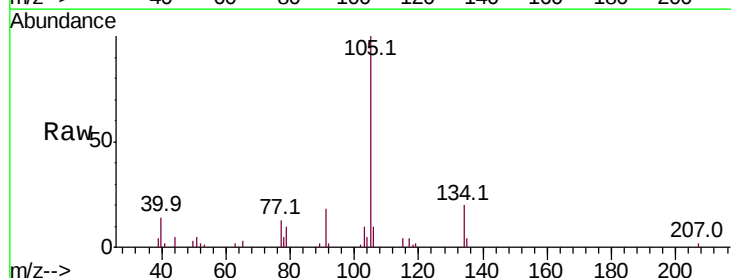
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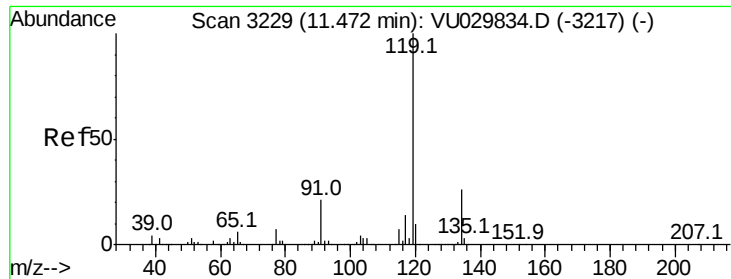
MMDadoda
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#79
 sec-Butylbenzene
 Concen: 0.223 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.6	16.3	24.5





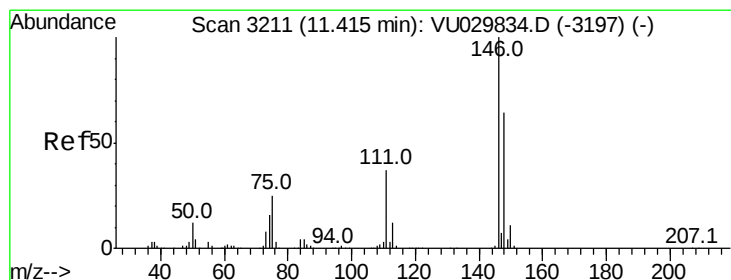
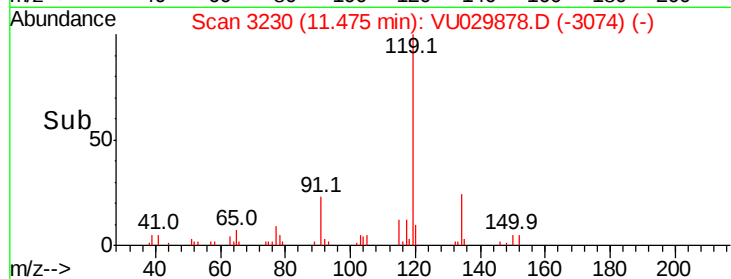
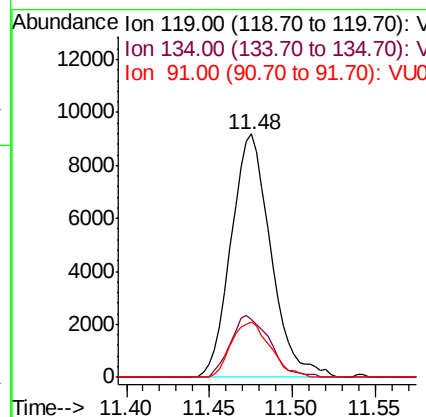
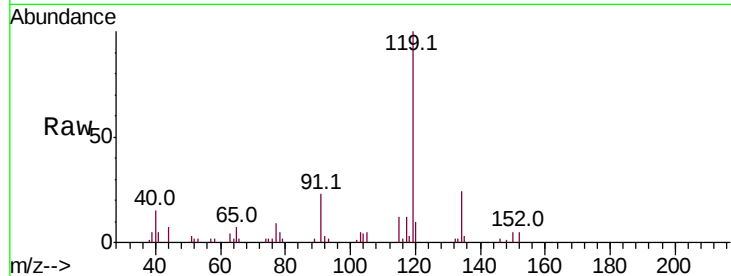
#81
p-Isopropyltoluene
Concen: 0.221 ug/l
RT: 11.48 min Scan# 3230
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	21.2	31.8
91	22.3	17.2	25.8

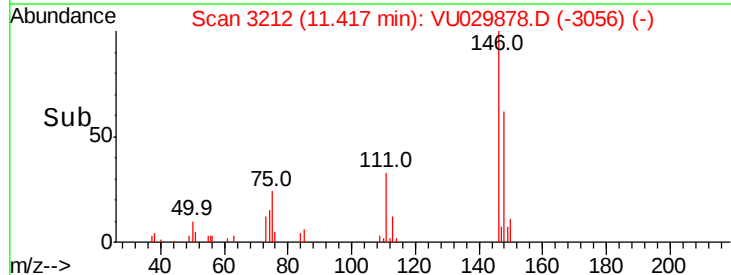
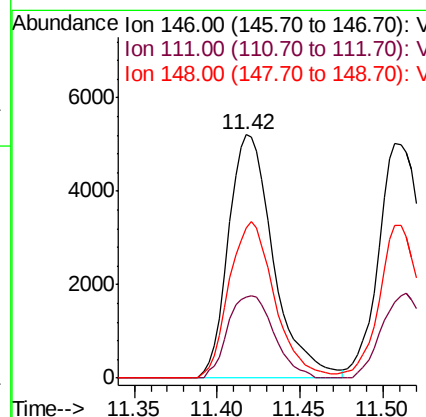
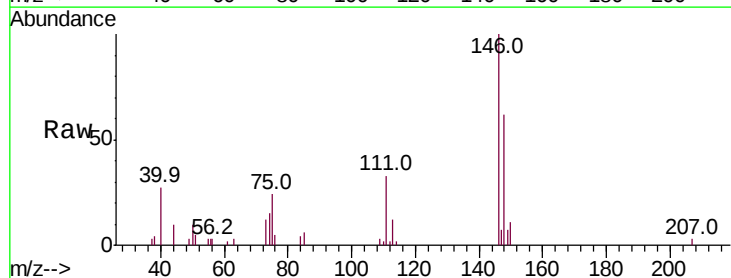
Manual Integrations
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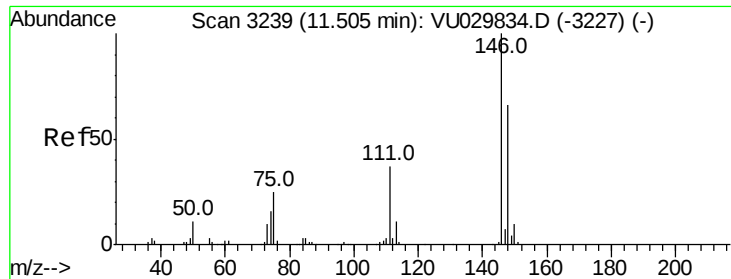
MMDadoda
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#82
1,3-Dichlorobenzene
Concen: 0.251 ug/l
RT: 11.42 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.7	30.2	45.4
148	64.7	51.2	76.8





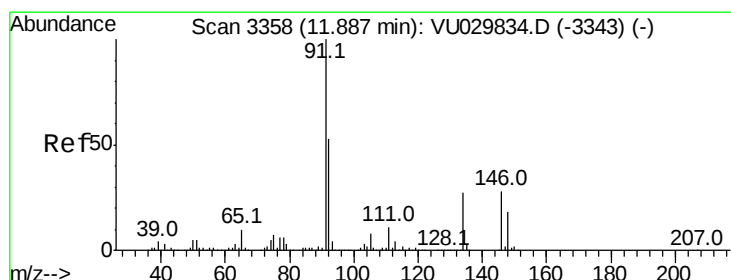
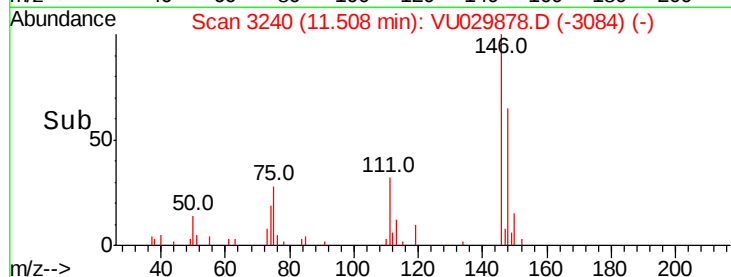
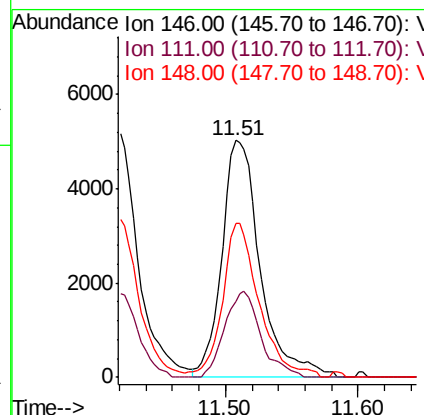
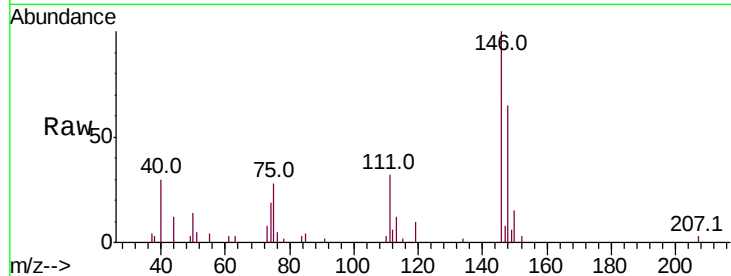
#83
1,4-Dichlorobenzene
Concen: 0.263 ug/l
RT: 11.51 min Scan# 3240
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.2	29.4	44.2
148	62.5	51.7	77.5

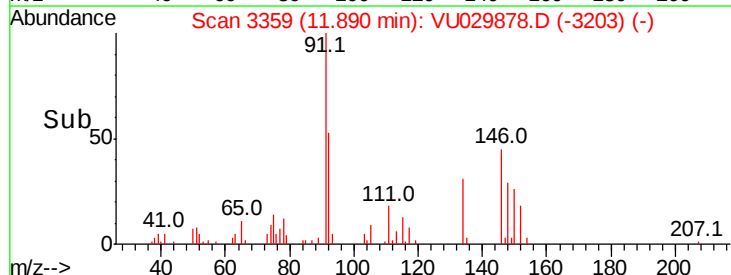
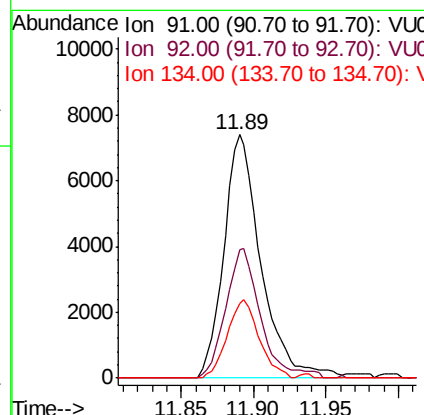
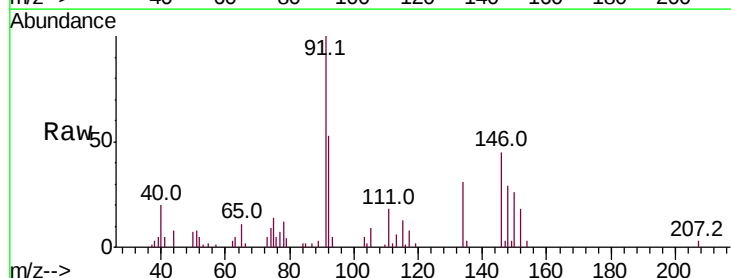
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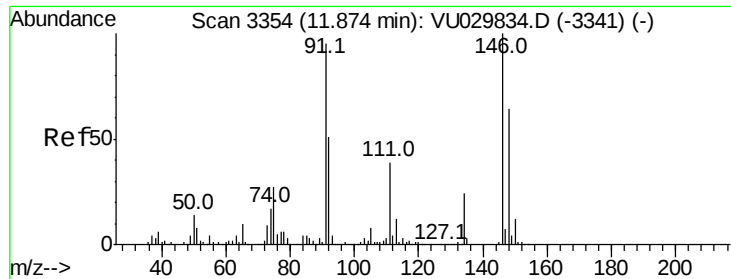
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#84
n-Butylbenzene
Concen: 0.207 ug/l
RT: 11.89 min Scan# 3359
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.9	42.6	63.8
134	27.7	21.7	32.5





#85

1,2-Dichlorobenzene

Concen: 0.250 ug/l

RT: 11.88 min Scan# 3356

Delta R.T. 0.01 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Instrument :

MSVOA_U

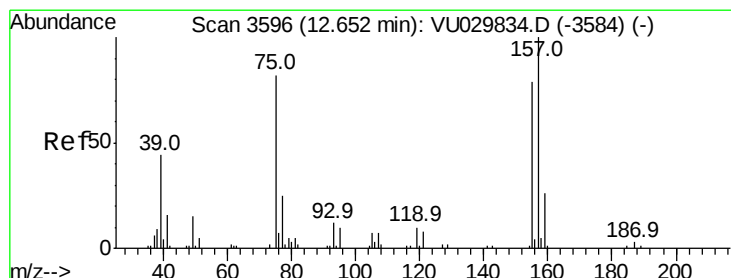
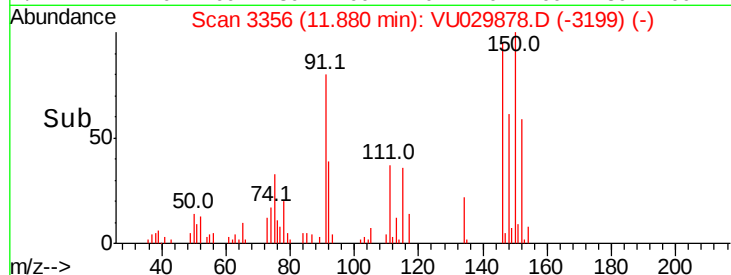
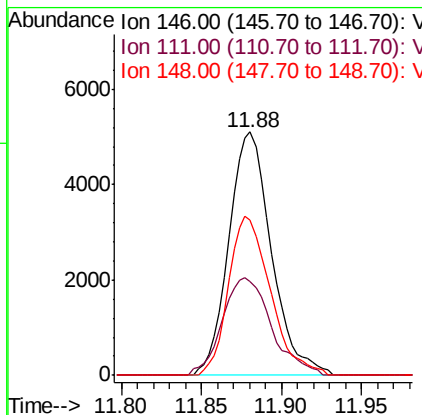
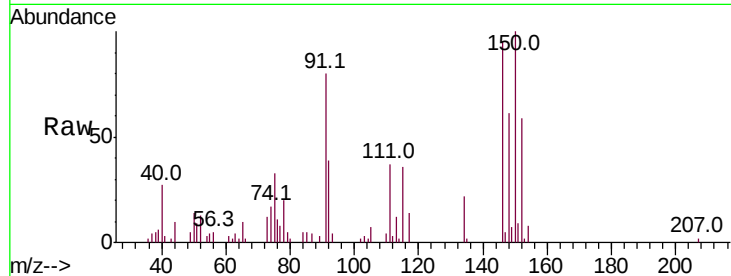
ClientSampleId :

MDL07

Tot Ion:	146	Resp:	9269
Ion	Ratio	Lower	Upper
146	100		
111	46.3	19.9	59.6
148	64.5	32.1	96.3

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#86

1,2-Dibromo-3-Chloropropane

Concen: 0.230 ug/l m

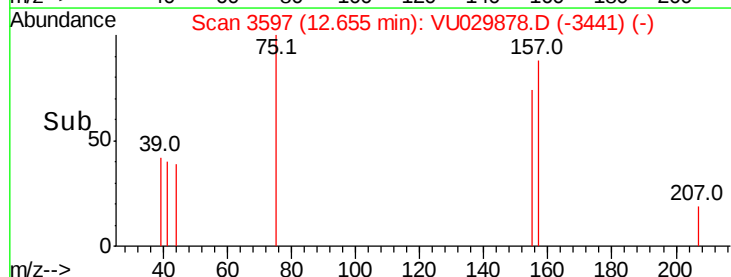
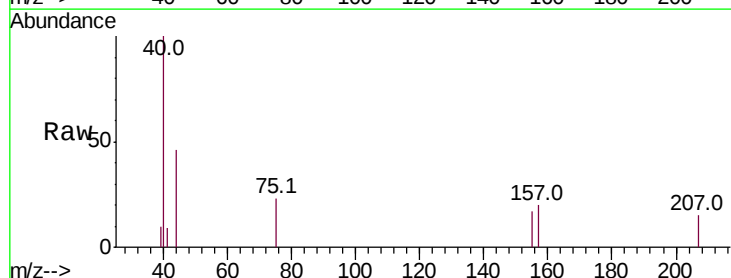
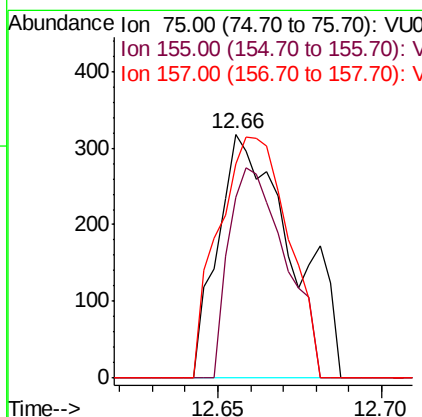
RT: 12.66 min Scan# 3597

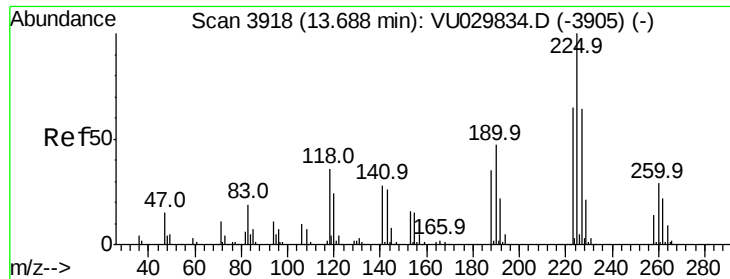
Delta R.T. 0.00 min

Lab File: VU029878.D

Acq: 08 Mar 2019 10:37

Tgt Ion:	75	Resp:	501
Ion	Ratio	Lower	Upper
75	100		
155	66.1	76.6	114.8#
157	93.2	96.2	144.2#





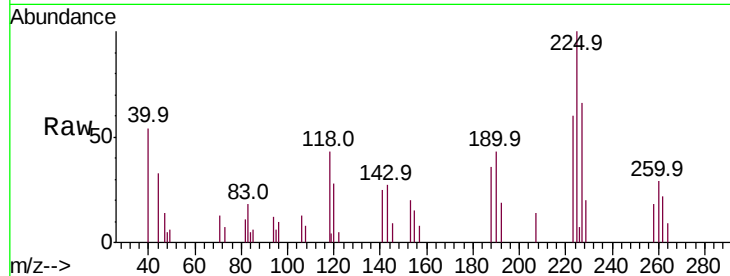
#88
Hexachlorobutadiene
Concen: 0.248 ug/l
RT: 13.69 min Scan# 3919
Delta R.T. 0.00 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.2	76.8
227	62.7	50.9	76.3

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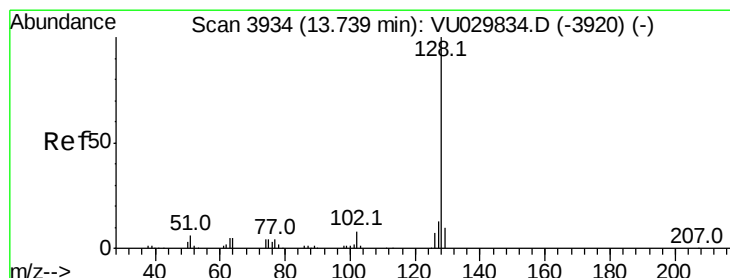
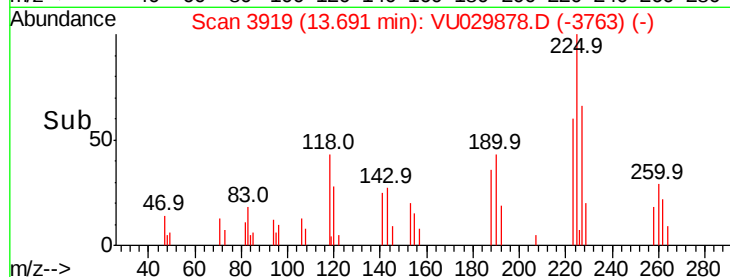
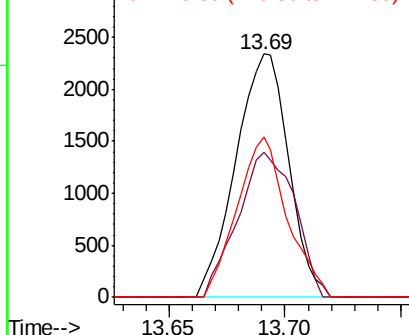


Abundance

Ion 224.60 (224.30 to 225.30): V

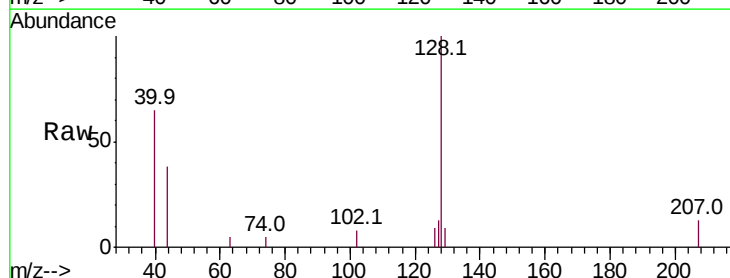
Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V



#89
Naphthalene
Concen: 0.554 ug/l
RT: 13.76 min Scan# 3939
Delta R.T. 0.02 min
Lab File: VU029878.D
Acq: 08 Mar 2019 10:37

Tgt Ion	Ratio	Lower	Upper
128	100		
127	9.8	10.2	15.4#
129	4.6	8.2	12.4#

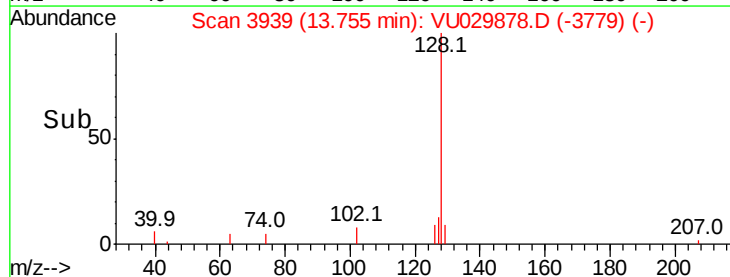
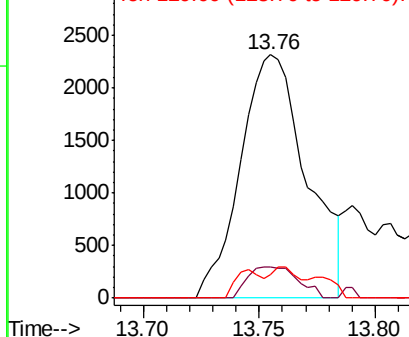


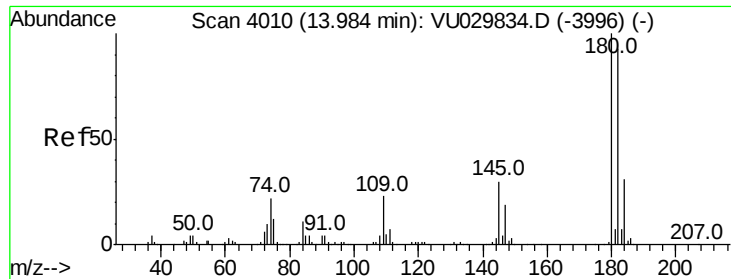
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#90
 1,2,3-Trichlorobenzene
 Concen: 0.211 ug/l
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU029878.D
 Acq: 08 Mar 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	74.8	112.2
145	29.3	24.6	36.8

Manual Integrations
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